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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (SSMO).

SOUTH AMERICA AND SELECTED ISLAND COASTAL MARINE AREAS
ATLANTIC ISLANDS -

VOLUME 3.

AREA 17 - TIERRA DEL FUEGO,
AREA 18 - FALKLAND ISLANDS,
AREA 19 - SOUTH GEORGIA,
AREA 20 - TRISTAN DA CUNHA GROUP,
AREA 21 - TRINDADE,
AREA 22 - ST. HELENA,
AREA 23 - ASCENSION,
AREA 24 - ST. PETER AND PAUL ROCKS.



PREPARED BY
THE NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, N.C.
FOR
THE DIRECTOR, NAVAL OCEANOGRAPHY AND METEOROLOGY

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SOUTH AMERICA AND SELECTED ISLAND SSMO AREAS AND STANDARD TIME ZONES - ATLANTIC ISLANDS

Shaded areas are included in this volume

A list of the area names their central locations appears on the inside back cover

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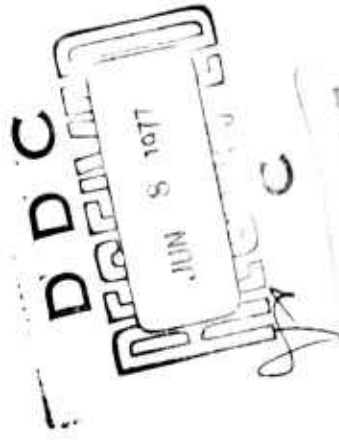
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report presents marine climatological data for specific coastal areas in 21 different tables including weather occurrence, wind direction and speed, cloud amount, ceiling height, visibility, precipitation, dry bulb, relative humidity, air-sea temperature difference, sea height and period, sea surface temperature and sea level pressure.		

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SUMMARY OF SYNOPTIC METEOROLOGICAL OBSERVATIONS (MONTHLY AND ANNUAL)

The SSMO series of coastal marine summaries is maintained and produced by the Naval Weather Service Detachment, Asheville, N. C. for the Director, Naval Oceanography and Meteorology. A list of published SSMO's is contained in the catalogue part of the "Guide to Standard Weather Summaries and Climatic Services", NAVAIR 50-1C-534.

The data summarized in the following tables were obtained from Tape Data Family 11 (TDF-11) Marine Surface Observations. The development and maintenance of TDF-11 was primarily funded by the Naval Weather Service Command. The source of these marine surface observations was punched cards of weather observations taken aboard vessels of varying registry. These observations were recorded on magnetic tape in a common format. Elements not in WMO code were converted to this code where possible. Where this was not possible, the original data were retained within the tape record as supplemental data. A very limited quality control was attempted as the punched cards were converted to taped records and, where possible, missing psychrometric data were computed.

Before the tables are prepared, extreme values of selected parameters are scrutinized so that obvious errors can be excluded. This method is necessarily subjective since the only available record of many observations is the punched card from which the tape records were prepared. Frequently there

is no concrete evidence to prove or disprove the validity of questionable data.

Also, it should be noted that these data are based upon observations made by ships in passage. Such ships tend to avoid bad weather when possible, thus biasing the data file toward good weather samples.

Because the number of observations may vary from one table to the other, no absolute relationship exists between the tables. As an example, air temperature counts for Tables 13 and 17 may not be identical since only observations containing both air temperature and relative humidity were counted in Table 13 and only those with both temperature and air-sea temperature difference were counted in Table 17. No requirement for simultaneous recording of all elements was made.

The primary period of record is that period (extending back in time from the most recent data) during which eighty percent of the total number of observations were recorded. The overall period is the earliest to the latest observed data used in compiling the tables. Tables 18 and 19 were tabulated from selected decks only and the overall period indicates the period of record of this data source. The primary period for these tables is not shown.

THE TABLES

This value may fall outside irregular areas.

Annual values are computed on the basis of the sum of the monthlies divided by the number of months.

Tables 1 through 19 appear in numerical order for each month, with the annual tables appearing after the tables for December. Tables 20 and 21 appear at the end of the entire series, after the annual summary for Table 19. The series of summaries appear in numerical order by area number.

Percentage frequencies are computed to hundredths and rounded to tenths. An asterisk (*) indicates percentage frequency > 0 and $< .05$. A value followed by a plus sign indicates greater than or equal to that value (8+ means 8 or greater). NH = low cloud amount (or middle cloud amount when low clouds are not present). The hours given in this publication are GMT.

The geographic position shown on the tables is the central position (centroid) of the observations within the area.

- Table 1 - Percentage Frequency of Weather Occurrence by Wind Direction (8 pts.).
- Table 2 - Percentage Frequency of Weather Occurrence by Hour (GMT).
- Table 3 - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction (8 pts.).
- Table 3A - Percentage Frequency of Wind Direction (8 pts.) by Speed and by Hour (GMT). This table includes mean wind speed (kts.) by direction.
- Table 4 - Percentage Frequency of Wind Speed by Hour (GMT). This table includes mean speed by hour.
- Table 5 - Percentage Frequency of Total Cloud Amount (Oktas) by Wind Direction (8 pts.). This table includes mean cloud amount by wind direction.
- Table 6 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH < 5/8 by Wind Direction (8 pts.).
- Table 7 - Cumulative Percentage Frequency of Occurrence of Ceiling Height (feet, NH > 4/8) and Visibility (Nautical Miles).
- Table 7A - Percentage Frequency of Low Cloud Amount (or Middle Cloud Amount if Low Clouds are not present), and Percentage Frequency of Sky Obscured. Amounts are in Oktas.
- Table 8 - Percentage Frequency of Wind Direction (8 pts.) vs. Occurrence or Non-Occurrence of Precipitation at Observation Time with Varying Values of Visibility (Nautical Miles).
- Table 9 - Percentage Frequency of Wind Direction (8 pts.) vs. Wind Speed (kts.) with Varying Values of Visibility (Nautical Miles).
- Table 10 - Percentage Frequency of Ceiling Heights (feet, NH > 4/8) and Occurrence of NH < 5/8 by Hour (GMT).
- Table 11 - Percentage Frequency of Visibility (Nautical Miles) by Hour (GMT).
- Table 12 - Cumulative Percentage Frequency of Ranges of Visibility (Nautical Miles) and Ceiling Height (feet, NH > 4/8) by Hour (GMT).
- Table 13 - Percentage Frequency of Relative Humidity (%) by Air Temperature (° F.).
- Table 14 - Percentage Frequency of Wind Direction (8 pts.) by Air Temperature (° F.).
- Table 15 - Means, Extremes, and Percentiles of Air Temperature (° F.) by Hour (GMT). Extreme temperatures are the one maximum and one minimum value appearing in the marine data file. The extremes may be unrepresentative due to sampling errors. Extrapolation from the percentile values usually gives a better estimate of expected extreme conditions.
- Table 16 - Percentage Frequency of Relative Humidity (%) by Hour (GMT).
- Table 17 - Percentage Frequency of Air Temperature (° F.) and the Occurrence of Fog vs. Air-Sea Temperature Difference (° F.).
- Air-Sea Temperature Difference is:
- Positive when the air is warmer than the sea surface; Negative when the air is cooler than the sea surface. In the table heading, the limits of the temperature ranges appear in a vertical arrangement along the top of the table.
- Table 18 - Percentage Frequency of Surface Wind Speed (kts.) and Direction (8 pts.) vs. Sea Height (feet). Source deck 128 for which data are available from mid-1963 was used for these tables. This deck represents the latest and most complete homogeneous source of wave data available. Here, only sea waves generated by local winds in the vicinity of the observer are summarized.

Table 19 - Percentage Frequency of Wave Height (feet) vs. Wave Period (seconds). In this table when both sea and swell waves are present in an observation, the higher of the two is used. If both are the same height, the longer period is chosen. When only one of the wave groups is observed, either sea or swell, it is used in the summary. Swell waves are those generated by winds distant from the local area where the observation is taken.

Tables 1-19 appear together for each month and in the annual summary. The following two tables appear at the end of the entire series for each area.

Table 20 - Monthly and Annual Percentage Frequencies and Means of Sea Surface Temperature (° F.).

Table 21 - Monthly and Annual Sea Level Pressures (millibars). This table includes means by hour and for all hours, extreme values and percentile values.

Note: In this volume, percentage frequencies at specified hours of the day refer to percentages of observations taken at those hours, rather than percentages of observations taken at all hours. Data at adjacent hours are summarized with data at synoptic hours, i.e., data from 02 and 04 GMT are combined with data from 03 GMT.

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Copies of this document are obtainable from the National Technical Information Service (NTIS), Springfield, Virginia 22161.

CONVERSION OF WIND AND WAVE DIRECTION TO 8 POINTS

A reduced bias system was employed in converting wind and wave directions to 8 points. This method attaches weighting values to observations which overlap two different 8 point sectors and treats them as "decimal observation counts." These decimal quantities are rounded to whole numbers for presentation as "observational counts" in the tables. Figures 1-4 below show the 8 point system with other systems superimposed.

Note: Because of rounding, sub-total sums of "observational counts" may not equal grand totals.

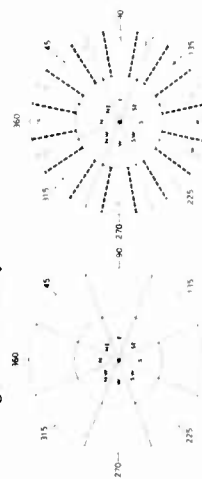


Fig 1. The 8 point direction system.

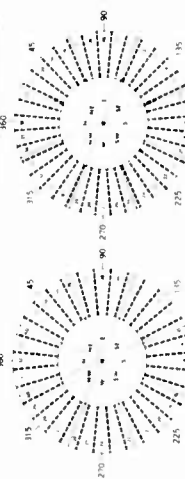


Fig 2. The 16 point direction system superimposed on the 8 point system.

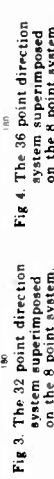


Fig 3. The 32 point direction system superimposed on the 8 point system.



Fig 4. The 36 point direction system superimposed on the 8 point system.

DIRECTION AND WEATHER CODES

VISIBILITY (VV)		PRESENT WEATHER (1960 WMO CODE 4677)		
CODE	INTERPRETATION (NAUTICAL MILES)	CODE	INTERPRETATION	INTERPRETATION
90-93	VV<1/2	58-59	RAIN	FOG (WITHOUT PRECIPITATION)
		60-65		
		91-94		
		(68-69, 95, 97 IF TEMP > 40° F)		
94	1/2 ≤ VV < 1	80-82, (83-84 IF TEMP > 40° F)	RAIN SHOWERS	FOG (WITHOUT PRECIPITATION) PAST HOUR
		50-55, 58-59		
95	1 ≤ VV < 2	56-57	FREEZING PRECIPITATION	SMOKE
		66-67		
96	2 ≤ VV < 5	70-75, 85-86 (68-69, 83-84, 95, 97 IF TEMP ≤ 40° F)	SNOW	HAZE
		00-03		
97	5 ≤ VV < 10	04-05	SPRAY	BLOWING DUST
		06-09		
98	10 ≤ VV < 25	00-03	NO SIGNIFICANT WEATHER AT OB TIME	BLOWING SNOW
		14-16		
99	VV ≥ 25	00-49	NO PRECIPITATION AT OB TIME	PRECIPITATION AT OB TIME
		50-95		
		20-27	PRECIPITATION PAST HOUR	PRECIPITATION PAST HOUR

NOTE: The following WMO codes were counted in two weather categories. 58-59 (rain and drizzle); 68-69 (rain and snow); 93-94 (rain and hail); 96 and 99 (hail and thunder/lightning/thunderstorm); 95 and 97 (snow and thunder/lightning/thunderstorm), or (rain and thunder/lightning/thunderstorm).

WAVE HEIGHT (from source decks 128 and 116)

RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)	RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)	RECORDED CODE (HALF METERS)	RANGE (METERS)	AS RECORDED IN TABULATION (FEET)
00	≤.25}	<1	12	>5.75 to 6.25}	20-22	30	>14.75 to 15.25}	49-60
01	>.25 to .75}	1-2	13	>6.25 to 6.75}		31	>15.25 to 15.75}	
02	>.75 to 1.25}	3-4	14	>6.75 to 7.25}	23-25	32	>15.75 to 16.25}	
03	>1.25 to 1.75}	5-6	15	>7.25 to 7.75}		33	>16.25 to 16.75}	
04	>1.75 to 2.25}	7	16	>7.75 to 8.25}		34	>16.75 to 17.25}	
05	>2.25 to 2.75}	8-9	17	>8.25 to 8.75}	26-32	35	>17.25 to 17.75}	
06	>2.75 to 3.25}	10-11	18	>8.75 to 9.25}		36	>17.75 to 18.25}	
07	>3.25 to 3.75}	12	19	>9.25 to 9.75}				
08	>3.75 to 4.25}	13-16	20	>9.75 to 10.25}		37	>18.25 to 18.75}	61-70
09	>4.25 to 4.75}		21	>10.25 to 10.75}	33-40	38	>18.75 to 19.25}	
10	>4.75 to 5.25}	17-19	22	>10.75 to 11.25}		39	>19.25 to 19.75}	
11	>5.25 to 5.75}		23	>11.25 to 11.75}		40	>19.75 to 20.25}	
			24	>11.75 to 12.25}		41	>20.25 to 20.75}	
			25	>12.25 to 12.75}		42	>20.75 to 21.25}	
			26	>12.75 to 13.25}	41-48			
			27	>13.25 to 13.75}		43	>21.25 to 21.75}	
			28	>13.75 to 14.25}		44	>21.75 to 22.25}	
			29	>14.25 to 14.75}		45	>22.25 to 22.75}	
						46	>22.75 to 23.25}	
						47	>23.25 to 23.75}	
						48	>23.75 to 24.25}	71-86
						49	>24.25 to 24.75}	
						50	>24.75 to 25.25}	
						51	>25.25 to 25.75}	
						52	>25.75 to 26.25}	
						53-99	>26.25 to 49.75}	≥87

Indeterminate=INDET

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

JANUARY

AREA 0017 TIERRA DEL FUEGO
55.05 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNO DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	12.7	3.6	.0	.0	.0	.0	.0	16.4	3.6	.0	7.3	.0	.0	.0	72.7
NE	25.9	.0	.0	.0	.0	.0	.0	25.9	1.9	.0	22.2	.0	.0	.0	90.0
E	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	25.6	.0	.0	.0	66.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.5	.0	.0	.0	62.5
S	7.5	.0	.0	.0	.0	.0	.0	7.5	4.5	.0	3.0	.0	.0	.0	85.1
SW	4.9	9.8	8.7	.0	.0	.0	.0	23.5	2.7	.0	6.6	.0	.0	.0	67.2
W	9.0	9.0	1.5	.0	.0	.0	.0	19.4	1.5	.0	1.0	.0	2.0	.0	76.1
NW	20.3	.0	.6	.0	.0	.0	.0	20.9	3.2	.0	2.5	.0	.0	.0	73.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	80.0
TOT PCT	10.8	4.7	2.4	.0	.0	.0	.0	17.9	3.3	.0	6.6	.0	.5	.0	71.7
TOT OBS	212														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	NO SIG WEA
00003	9.3	5.6	3.7	.0	.0	.0	.0	18.5	.0	.0	9.3	.0	.0	.0	.0	72.2
06009	7.5	3.8	3.8	.0	.0	.0	.0	15.1	3.8	.0	3.8	.0	.0	.0	.0	77.4
12015	11.1	4.8	.0	.0	.0	.0	.0	15.9	3.2	.0	4.8	.0	.0	.0	.0	76.2
18021	16.7	4.2	2.1	.0	.0	.0	.0	22.9	6.3	.0	10.4	.0	2.1	.0	.0	58.3
TOT PCT	11.0	4.6	2.3	.0	.0	.0	.0	17.9	3.2	.0	6.9	.0	.5	.0	.0	71.6
TOT OBS:	218															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.9	5.4	4.7	1.6	.0	.0		12.7	12.7		7.7	7.1	9.7	15.0	11.4	23.8	17.7	11.8
NE	.0	2.0	2.6	1.6	.0	.0		6.2	15.1		5.1	7.1	4.0	11.3	4.5	9.5	3.2	11.8
E	.0	2.6	1.8	.0	.0	.0		4.5	9.1		4.5	7.1	3.6	8.8	4.0	.0	3.2	4.4
SE	.0	1.3	1.3	.0	.0	.0		2.8	12.6		3.2	.0	6.5	.0	5.1	.0	.8	1.5
S	.0	2.6	1.8	3.2	.0	.0		7.7	18.0		11.5	3.6	4.8	10.0	8.0	9.5	2.4	11.8
SW	.0	6.3	9.2	5.4	1.0	.0		22.0	17.3		26.3	10.7	24.2	25.0	22.7	25.0	17.7	16.2
W	.0	2.9	11.2	8.3	.8	.0		23.2	18.9		23.7	21.4	29.6	12.5	23.3	21.4	29.8	13.2
NW	2.3	2.9	12.0	1.5	.0	.0		18.7	13.6		15.4	42.9	15.3	17.5	16.5	6.0	21.8	29.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3	57	97	47	4	0		2.3	.0		2.6	.0	.0	.0	4.5	4.8	3.2	.0
TOT OBS	12	26.3	44.7	21.7	1.8	.0	217	100.0	15.4		39	14	31	20	44	21	31	17
TOT PCT	5.5	26.3	44.7	21.7	1.8	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	03	06	12	18
N	1.4	8.3	2.5	.5	.0		12.7	12.7	7.5	11.8	15.4	15.6
NE	1.0	2.6	2.1	.5	.0		6.2	15.1	5.7	6.9	6.2	6.3
E	1.3	3.2	.0	.0	.0		4.5	9.1	5.2	6.9	2.7	2.6
SE	.0	2.3	.5	.0	.0		2.8	12.6	2.4	3.9	3.9	1.0
S	.3	2.8	2.9	1.7	.0		7.7	18.0	9.4	6.9	8.5	5.7
SW	1.5	8.2	9.3	3.0	.0		22.0	17.3	22.2	24.5	23.3	17.2
W	.9	7.7	11.9	2.6	.0		23.2	18.9	23.1	23.0	22.7	24.0
NW	3.2	7.3	8.2	.0	.0		18.7	13.6	22.6	16.2	13.1	24.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.3						2.3	.0	1.9	.0	4.6	2.1
TOT OBS	26	92	81	18	0	217	15.4		53	51	65	48
TOT PCT	12.0	42.4	37.3	8.3	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

JANUARY

AREA 0017 TIERRA DEL FUEGO
55.05 65.34

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.9	1.9	26.4	49.1	17.0	3.8	.0	15.4	100.0	53
06009	.0	3.9	35.3	41.2	19.6	.0	.0	14.6	100.0	51
12015	4.6	3.1	18.5	43.1	27.7	3.1	.0	16.4	100.0	65
18001	2.1	4.2	27.1	45.8	20.8	.0	.0	15.0	100.0	48
TOT	5	7	57	97	47	4	0	15.4		217
PCT	2.3	3.2	26.3	44.7	21.7	1.8	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	1.4	1.4	3.4	3.7		5.9
NE	.9	.0	2.2	1.4		6.0
E	.5	.7	3.1	2.4		6.1
SE	.0	.0	.9	1.9		7.1
S	.0	.5	2.2	1.5		6.7
SW	.0	3.6	9.9	5.1		6.5
W	1.9	3.1	12.6	12.6		8.2
NW	4.9	1.7	6.6	6.8		5.3
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	2.7	.7		6.6
TOT OBS	14	16	64	53	147	6.1
TOT PCT	9.5	10.9	43.5	36.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.7	2.6	1.9	.0	1.4	.0	.0	3.4	
NE	.7	.0	.0	.0	.9	.0	.7	.0	.7	.0	1.5	
E	1.7	.0	.0	.7	.5	.0	.7	.0	.0	.0	3.1	
SE	1.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.9	
S	.0	.0	.0	.5	1.5	.5	.0	.0	.0	.0	1.7	
SW	.0	.0	.0	1.9	6.6	1.9	.0	.7	.0	.0	7.5	
W	.0	.0	.7	7.0	2.9	7.1	.0	.0	1.2	.0	11.2	
NW	.0	.0	.0	4.8	2.0	1.5	1.4	.0	.9	.0	9.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	2.7	
TOT OBS	5	0	1	25	25	19	4	3	4	0	61	147
TOT PCT	3.4	.0	.7	17.0	17.0	12.9	2.7	2.0	2.7	.0	41.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	2.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6
= OR >5000	3.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6
= OR >3500	6.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3
= OR >2000	17.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5
= OR >1000	25.8	37.7	37.7	37.7	37.7	37.7	37.7	37.7
= OR >600	31.8	52.3	53.6	54.3	54.3	54.3	54.3	54.3
= OR >300	31.8	52.3	54.3	55.0	55.0	55.0	55.0	55.0
= OR >150	31.8	52.3	54.3	55.0	55.0	55.0	55.0	55.0
= OR >0	31.8	52.3	55.0	56.3	57.6	58.3	58.3	58.3
TOTAL	48	79	83	85	85	87	88	88

TOTAL NUMBER OF OBS: 151

PCT FREQ NH <5/8: 41.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	DBSD	TOTAL OBS
	3.9	9.1	9.7	7.1	11.7	13.0	9.1	10.4	22.7	3.2	154

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

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55.05 65.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	2.8	
	TOT %	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	2.8	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.9	
	NO PCP	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.5	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	1.9	
	NO PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.0	.0	.5	.0	.0	.0	.9	.9	.0	.0	.0	2.4	
5<10	PCP	.7	1.7	.0	.0	.2	4.0	3.2	2.0	.0	.0	.0	11.8	
	NO PCP	2.0	.8	.6	.6	3.2	5.1	4.6	7.9	.0	.9	.9	25.9	
	TOT %	2.7	2.5	.8	.6	3.4	9.1	7.8	9.9	.0	.9	.9	37.7	
10+	PCP	.9	.0	.0	.0	.4	1.1	.5	.5	.0	.0	.0	3.3	
	NO PCP	8.1	2.7	2.6	.6	4.1	11.4	14.5	6.8	.0	1.4	1.4	52.4	
	TOT %	9.1	2.7	2.6	.6	4.5	12.5	15.0	7.3	.0	1.4	1.4	55.7	
TOT OBS														212
TOT PCT		13.0	6.4	4.6	1.9	7.9	21.6	23.7	18.6	.0	2.4	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.9	
	11-21	.2	.7	.7	.2	.0	.0	.0	.0	.0	.0	.0	1.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	2.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5	
	22+	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.5	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	1.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.9	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.9	.5	.0	.0	.0	1.4	
	TOT %	.0	.0	.5	.0	.0	.0	.9	.9	.0	.0	.0	2.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.9	.9	3.3	
	4-10	1.3	.5	.0	.1	.4	1.8	.6	1.5	.0	.0	.0	6.1	
	11-21	.7	.8	.8	.5	.9	3.4	2.9	5.0	.0	.0	.0	15.1	
	22+	.7	1.2	.0	.0	2.1	3.9	4.2	1.1	.0	.0	.0	13.2	
	TOT %	2.7	2.5	.8	.6	3.4	9.1	7.8	9.9	.0	.9	.9	37.7	
10+	0-3	.9	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	2.4	
	4-10	3.8	1.1	2.2	.5	2.4	4.2	2.4	.5	.0	.0	.0	17.0	
	11-21	3.9	1.2	.4	.1	.9	3.5	8.5	6.8	.0	.0	.0	27.4	
	22+	.5	.5	.0	.0	1.2	2.7	4.1	.0	.0	.0	.0	9.0	
	TOT %	9.1	2.7	2.6	.6	4.5	12.5	15.0	7.3	.0	1.4	1.4	55.7	
TOT OBS														212
TOT PCT		13.0	6.4	4.6	1.9	7.9	21.6	23.7	18.6	.0	2.4	100.0		

PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973

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55.05 65.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	5.4	.0	2.7	18.9	10.8	8.1	2.7	2.7	2.7	.0	54.1	45.9	37
06009	2.6	.0	.0	15.8	18.4	10.5	2.6	.0	5.3	.0	55.3	44.7	38
12015	.0	.0	.0	12.8	20.5	10.3	2.6	2.6	2.6	.0	51.3	48.7	39
18021	5.3	.0	.0	18.4	18.4	23.7	2.6	2.6	.0	.0	71.1	28.9	38
TOT	5	0	1	25	26	20	4	3	4	0	88	64	152
PCT	3.3	.0	.7	16.4	17.1	13.2	2.6	2.0	2.6	.0	57.9	42.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.9	.0	.0	3.7	44.4	50.0	54
06009	3.8	.0	1.9	1.9	28.3	64.2	53
12015	4.8	.0	.0	1.6	38.1	55.6	63
18021	4.2	.0	4.2	2.1	37.5	52.1	48
TOT	8	0	3	5	81	121	218
PCT	3.7	.0	1.4	2.3	37.2	55.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	5.4	8.1	27.0	27.0	45.9	37
06009	2.6	2.6	18.4	36.8	44.7	38
12015	.0	.0	13.2	39.5	47.4	38
18021	5.3	5.3	23.7	47.4	28.9	38
TOT	5	6	31	57	63	151
PCT	3.3	4.0	20.5	37.7	41.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.6	.6	1.2	1.2	.0	.0	6	3.5
50/54	.0	.0	.0	.0	1.2	7.6	8.8	1.2	32	18.8
45/49	.0	.0	.0	.0	4.1	16.5	16.5	15.9	90	52.9
40/44	.0	.0	.0	.0	2.4	5.9	10.0	4.7	39	22.9
35/39	.0	.0	.0	.0	.0	1.8	.0	.0	3	1.8
TOTAL	0	0	1	1	15	56	80	37	170	100.0
PCT	.0	.0	.6	.6	8.8	32.9	35.3	21.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.6	.0	.0	.1	.4	.0	.6	.6	.0	1.2
50/54	2.8	1.2	1.2	.0	.0	2.1	5.1	6.5	.0	.0
45/49	4.4	3.8	1.0	2.5	1.9	10.3	19.1	8.7	.0	1.2
40/44	1.2	.1	2.5	.9	3.5	8.5	4.1	1.5	.0	.6
35/39	.0	.0	.6	.0	.4	.7	.0	.0	.0	.0
TOTAL	9.0	5.1	5.3	3.5	6.3	21.6	29.0	17.2	.0	2.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	58	57	53	47	42	41	41	46.9	55
06009	54	53	53	46	39	39	39	46.0	53
12015	55	54	54	46	41	38	38	46.3	65
18021	59	58	54	48	42	40	40	47.9	50
TOT	59	56	54	47	41	39	38	46.7	223

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.3	9.3	34.9	25.6	27.9	82	43
06009	.0	.0	4.7	41.9	32.6	20.8	82	43
12015	.0	.0	10.4	33.3	35.4	20.8	81	48
18021	.0	2.4	9.5	21.4	42.9	23.8	83	42
TOT	0	2	15	58	60	41	82	176

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PERIOD: (PRIMARY) 1935-1973
(OVER-ALL) 1922-1973AREA 0017 TIERRA DEL FUEGO
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.0	.5	.0	1	.0	.5
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.5	.0	.5	2	.0	1.0
6	.0	.0	.0	.5	1.9	.0	5	.0	2.4
5	.0	.0	1.9	2.9	2.9	.0	16	.0	7.7
4	.0	.0	1.9	2.4	1.0	.0	11	.5	4.8
3	.0	1.0	2.9	3.8	1.0	.0	18	1.4	7.2
2	.0	1.4	5.3	4.8	.0	.0	24	1.0	10.6
1	.0	1.4	5.3	4.3	.0	.0	23	.5	10.6
0	.0	1.4	6.3	1.4	.0	.0	19	1.0	8.2
-1	.5	2.9	7.7	.0	.0	.0	23	.5	10.6
-2	.0	3.8	6.3	.5	.0	.0	22	.0	10.6
-3	1.0	1.4	2.4	.0	.0	.0	10	.5	4.3
-4	.0	4.8	.0	.0	.0	.0	10	.0	4.8
-5	1.0	2.9	1.0	.0	.0	.0	10	.0	4.8
-6	.5	1.9	.5	.0	.0	.0	6	.0	2.9
-7/-8	1.4	1.4	.5	.0	.0	.0	7	.5	2.9
TOTAL	9	51	87	44	13	2	208	5.8	94.2
PCT	4.3	24.5	41.8	21.2	7.2	1.0	100.0	5.8	94.2

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.9	.0	.0	.0	.0	.0	1.9	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	3.9	3.9	.0	.0	.0	7.8	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.7	1.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	1.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	4.6	4.9	1.9	.0	.0	13.3	.0	3.2	.0	1.0	.0	.0	4.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	.7	.0	.0	.0	3.6	.0	.2	.2	.0	.0	.0	.5
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	1.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	.7	.0	.0	.0	5.3	.0	1.2	1.2	.0	.0	.0	2.4

PERIOD: (OVER-ALL) 1963-1973

JANUARY

AREA 0017 TIERRA DEL FUEGO
55.05 65.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	1.5
1-2	.0	1.7	.0	.0	.0	.0	1.7	.0	1.9	3.9	.0	.0	.0	5.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.2	.0	.0	2.4
5-6	.0	.0	.0	.7	.0	.0	.7	.0	1.0	1.9	1.2	.0	.0	4.1
7	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	1.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.2	1.0	.0	1.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	.0	1.5	.0	.0	4.6	.0	7.5	6.8	1.7	1.0	.0	17.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	5.6	.0	.0	.0	8.5	.0	1.9	2.2	.0	.0	.0	4.1	.0
3-4	.0	.7	4.6	2.7	.0	.0	8.0	.0	1.2	8.0	.0	.0	.0	9.2	.0
5-6	.0	1.0	3.6	1.9	.0	.0	6.6	.0	.0	4.1	1.0	.0	.0	5.1	.0
7	.0	.0	.0	1.9	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	1.9	.0
8-9	.0	.0	1.0	1.9	.0	.0	2.9	.0	.0	1.0	.0	.0	.0	1.0	.0
10-11	.0	.0	.7	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.2	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.6	15.5	9.5	.0	.0	29.6	.0	3.2	15.5	2.9	.0	.0	21.6	98.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.8	5.7	.0	.0	.0	.0	10.5	
1-2	.0	18.1	16.2	.0	.0	.0	34.3	
3-4	.0	4.8	14.3	2.9	.0	.0	21.9	
5-6	.0	2.9	9.5	5.7	.0	.0	18.1	
7	.0	1.0	1.0	5.7	.0	.0	7.6	
8-9	.0	.0	1.9	1.9	.0	.0	3.8	
10-11	.0	.0	1.0	1.0	1.0	.0	2.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	1.0	.0	.0	1.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.8	32.4	43.8	18.1	1.0	.0	100.0	105

PERIOD: (OVER-ALL) 1950-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	11.3	12.8	11.3	3.0	.8	5.3	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	62	5
6-7	.0	.0	7.5	7.5	3.8	1.5	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
8-9	.0	.0	.8	1.5	3.0	1.5	.9	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	8
10-11	.0	.8	.8	.0	1.5	.8	.8	.0	2.3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	17	10
12-13	.0	.0	1.5	1.5	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	.8	.8	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
TOTAL	1	17	31	32	17	7	17	2	8	0	1	0	0	0	0	0	0	0	0	133	6
PCT	.8	12.8	23.3	24.1	12.8	5.3	12.8	1.5	6.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

 PERIOD: (PRIMARY) 1932-1972
 (OVER-ALL) 1923-1972

TABLE 1

 AREA 0017 TIERRA DEL FUEGO
 54.6S 65.4W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	18.2	3.3	6.1	.0	.0	.0	.0	27.6	2.2	2.2	6.6	.0	.0	.0	61.3
NE	17.3	8.2	16.3	.0	.0	.0	.0	41.8	5.1	.0	1.0	.0	.0	.0	52.0
E	17.9	4.5	6.0	.0	.0	.0	.0	28.4	22.4	.0	4.5	.0	.0	.0	44.8
SE	42.6	1.5	5.9	.0	.0	.0	.0	50.0	5.9	.0	5.9	.0	.0	.0	38.2
S	6.8	.0	1.9	.0	.0	.0	.0	8.6	.0	.0	1.2	.0	.0	.0	90.1
SW	9.5	2.4	.5	.0	.0	.0	1.9	14.3	2.4	.0	1.0	.0	1.9	.0	80.5
W	3.5	4.8	1.3	.0	.0	.0	.0	9.6	1.0	.0	5.1	.0	.0	.0	84.3
NW	10.0	.9	.4	.0	.0	.0	.0	11.3	.0	.0	5.2	.0	.0	.0	83.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.5	25.0	.0	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	.0	62.5
TOT PCT	11.8	3.5	3.2	.0	.0	.0	.3	18.8	2.6	.3	3.6	.0	.3	.0	74.1
TOT OBS:	340														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	15.1	5.8	2.3	.0	.0	.0	1.2	24.4	1.2	1.2	3.5	.0	.0	.0	69.8
06009	17.1	4.9	2.4	.0	.0	.0	.0	24.4	1.2	.0	2.4	.0	.0	.0	72.0
12015	11.6	5.2	3.2	.0	.0	.0	.0	17.9	4.2	.0	6.3	.0	.0	.0	71.6
18021	4.5	3.4	4.5	.0	.0	.0	.0	12.4	3.4	.0	3.4	.0	1.1	.0	79.8
TOT PCT TOT OBS:	11.9 352	4.3	3.1	.0	.0	.0	.3	19.6	2.6	.3	4.0	.0	.3	.0	73.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.6	5.9	5.7	1.7	.0	.0		13.8	11.9		20.0	16.1	13.1	12.8	13.1	8.3	12.8	12.8
NE	.0	2.7	2.8	1.5	.0	.0		7.0	14.7		10.5	9.7	5.4	2.9	5.3	2.8	6.4	12.8
E	.3	1.1	2.0	1.3	.0	.0		4.7	16.1		4.5	3.2	6.5	4.1	4.5	2.8	10.5	1.2
SE	.0	1.7	1.3	1.5	.4	.0		4.8	18.7		3.6	3.2	7.7	3.5	8.6	2.8	4.7	2.3
S	.0	3.5	5.8	2.0	.2	.0		11.4	15.3		10.0	11.3	10.7	6.7	11.5	16.7	11.0	12.8
Sw	.0	2.9	8.2	3.6	.3	.0		15.0	17.3		17.3	14.5	8.9	22.7	12.7	11.8	12.8	18.6
W	.5	6.5	11.2	5.2	.0	.3		23.7	16.2		20.5	24.2	25.6	25.0	21.3	28.5	20.3	27.3
Nw	.4	5.2	7.8	3.8	.0	.0		17.2	15.4		13.6	17.7	14.9	15.7	21.3	23.6	19.2	12.2
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0		.0	.0	7.1	4.7	1.6	2.8	2.3	.0
TOT OBS	14	104	159	73	3	1	354		15.2		55	31	42	43	61	36	43	43
TOT PCT	4.0	29.4	44.9	20.6	.8	.3		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	2.7	8.6	2.3	.3	.0		13.8	11.9	18.6	12.9	11.3	12.8	
NE	1.3	3.4	2.0	.4	.0		7.0	14.7	10.2	4.1	4.4	9.6	
E	.8	1.6	1.9	.5	.0		4.7	16.1	4.1	5.3	3.9	5.8	
SE	.6	1.7	1.1	1.5	.0		4.8	18.7	3.5	5.6	6.4	3.5	
S	.8	6.9	2.5	1.3	.0		11.4	15.3	10.5	9.7	13.4	11.9	
SW	.6	7.1	4.8	2.4	.0		15.0	17.3	16.3	15.9	12.4	15.7	
W	2.7	10.7	8.0	2.0	.3		23.7	16.2	21.8	25.3	24.0	23.8	
NW	2.2	7.1	6.6	1.3	.0		17.2	15.4	15.1	15.3	22.2	15.7	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.3						2.3	.0	.0	5.9	2.1	1.2	
TOT OBS	49	167	103	34	1	354		15.2	86	85	97	86	
TOT PCT	13.8	47.2	29.1	9.6	.3		100.0		100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1922-1972AREA 0017 TIERRA DEL FUEGO
34.6S 65.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	.0	.0	37.2	43.0	18.6	1.2	.0	14.7	100.0	86
06009	5.9	2.4	25.9	48.2	15.3	1.2	1.2	14.7	100.0	85
12015	2.1	2.1	22.7	48.5	24.7	.0	.0	15.9	100.0	97
18021	1.2	2.3	32.5	39.5	23.3	1.2	.0	15.3	100.0	86
TOT	8	6	104	159	73	3	1	15.2		354
PCT	2.3	1.7	29.4	44.9	20.6	.8	.3	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	.0	6.3	5.8		6.1
NE	1.1	.0	1.8	4.9		6.9
E	.4	.0	1.9	4.2		7.3
SE	.4	.5	1.8	3.6		6.7
S	.6	1.9	6.8	6.2		6.5
SW	2.0	2.2	7.1	4.0		5.7
W	1.1	1.8	11.4	3.7		6.0
NW	1.1	1.2	8.1	4.0		6.2
VAP	.0	.0	.0	.0		.0
CALM	.4	.0	.4	.4		5.5
TOT OBS	22	18	107	87	234	6.3
TOT PCT	9.4	7.7	45.7	37.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999	8000+	ANY HGT	OBS
.4	.0	.0	.6	4.1	1.9	.7	.0	.0	.6	5.9	
.4	.0	.9	1.0	2.0	.9	.4	.2	.0	.0	2.0	
.0	.0	.3	.9	3.1	.0	.0	.6	.0	.0	1.6	
.0	.0	.1	.4	1.9	.9	.0	.0	.0	.0	3.1	
.0	.0	.0	2.8	3.8	1.9	1.7	.4	.0	.0	4.9	
.0	.0	.0	2.0	1.7	2.1	1.8	.0	.0	.0	7.6	
.4	.0	.4	2.0	1.3	3.2	1.1	.0	.0	.0	9.6	
.0	.0	.0	.5	1.7	.6	.6	.0	.0	.6	10.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.6	.0	.4	.0	.0	.0	.4	.4	
3	0	4	25	46	28	15	3	0	4	106	234
1.3	.0	1.7	10.7	19.7	12.0	6.4	1.3	.0	1.7	45.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >5000	.8	2.5	2.9	2.9	2.9	2.9	2.9	2.9
= OR >3500	5.8	8.7	9.1	9.1	9.1	9.1	9.1	9.1
= OR >2000	13.3	20.3	20.7	20.7	20.7	20.7	20.7	20.7
= OR >1000	22.4	37.8	39.4	39.8	39.8	39.8	39.8	39.8
= OR >600	28.2	47.3	49.8	50.6	50.6	50.6	50.6	50.6
= OR >300	29.0	49.0	51.9	52.7	53.1	53.1	53.1	53.1
= OR >150	29.0	49.0	51.9	52.7	53.1	53.1	53.1	53.1
= OR >0	29.0	49.4	52.3	53.1	53.5	53.5	54.4	54.4
TOTAL	70	119	126	128	129	129	131	131

TOTAL NUMBER OF OBS: 241

PCT FREQ NH <5/8: 45.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.9	8.5	14.1	8.1	6.9	6.0	14.1	10.9	23.4	1.2	248

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1922-1972AREA 0017 TIERRA DEL FUEGO
34.6S 65.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP	.1	.1	.0	.0	.0	.0	.6	.3	.0	.0	1.2		
	NO PCP	.3	.0	.0	.0	.0	.0	.3	.3	.0	.0	.9		
	TOT %	.4	.1	.0	.0	.0	.0	.9	.6	.0	.0	2.1		
1/2<1	PCP	.0	.6	.0	.0	.0	.0	.0	.0	.0	.3	.9		
	NO PCP	.9	.0	.0	.0	.0	.0	.6	.3	.0	.0	1.8		
	TOT %	.9	.6	.0	.0	.0	.0	.6	.3	.0	.3	2.7		
1<2	PCP	.0	.0	.0	.6	.0	.3	.3	.6	.0	.0	1.8		
	NO PCP	.1	.1	.0	.0	.1	1.0	.1	.1	.0	.0	1.8		
	TOT %	.1	.1	.0	.6	.1	1.3	.4	.7	.0	.0	3.5		
2<5	PCP	.3	.9	.6	.3	.3	.0	.0	.0	.0	.0	2.4		
	NO PCP	.0	.1	.2	.0	.0	.1	.8	.6	.0	.0	1.8		
	TOT %	.3	1.0	.8	.3	.3	.1	.8	.6	.0	.0	4.1		
5<10	PCP	2.3	1.4	.8	1.6	.7	1.3	1.3	.8	.0	.6	10.9		
	NO PCP	2.2	2.2	1.8	.3	3.5	3.2	7.2	6.4	.0	.3	27.1		
	TOT %	4.5	3.6	2.7	1.9	4.3	4.5	8.5	7.2	.0	.9	38.1		
10+	PCP	.7	.0	.0	.0	.0	.6	.0	.2	.0	.0	1.5		
	NO PCP	8.1	1.8	1.5	2.2	7.2	9.6	11.8	7.3	.0	1.2	48.1		
	TOT %	8.8	1.8	1.5	2.2	7.2	9.6	11.8	7.5	.0	1.2	49.6		
TOT OBS														339
TOT PCT														100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.6	
	22+	.1	.1	.0	.0	.0	.0	.6	.0	.0	.0	.9	
	TOT %	.4	.1	.0	.0	.0	.0	.9	.6	.0	.0	2.0	
1/2<1	0-3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6	
	4-10	.6	.3	.0	.0	.0	.0	.6	.0	.0	.0	1.5	
	11-21	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.6	
	22+	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.9	.6	.0	.0	.0	.0	.9	.3	.0	.3	2.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.1	.0	.3	.1	.4	.3	.3	.0	.0	1.7	
	11-21	.0	.0	.0	.0	.0	.3	.1	.4	.0	.0	.9	
	22+	.0	.0	.0	.3	.0	.6	.0	.0	.0	.0	.9	
	TOT %	.1	.1	.0	.6	.1	1.3	.4	.7	.0	.0	3.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.1	.2	.0	.3	.0	.0	.0	.0	.0	.9	
	11-21	.0	.9	.0	.0	.0	.1	.3	.3	.0	.0	1.7	
	22+	.0	.0	.6	.3	.0	.0	.3	.3	.0	.0	1.5	
	TOT %	.3	.9	.8	.3	.3	.1	.8	.6	.0	.0	4.1	
5<10	0-3	.3	.0	.0	.0	.0	.0	.5	.1	.0	.9	1.7	
	4-10	2.0	1.6	.3	.6	1.7	.9	2.4	2.3	.0	.0	11.6	
	11-21	1.9	1.2	1.5	.4	2.3	3.0	3.9	2.8	.0	.0	16.9	
	22+	.3	.8	.8	.9	.2	.6	1.6	2.0	.0	.0	7.3	
	TOT %	4.4	3.6	2.6	1.9	4.2	4.4	8.4	7.1	.0	.9	37.5	
10+	0-3	.0	.0	.3	.0	.0	.0	.0	.3	.0	1.2	1.7	
	4-10	2.5	.7	.6	.9	1.5	1.5	3.3	2.3	.0	.0	13.1	
	11-21	4.0	.9	.6	.9	3.6	5.1	5.2	3.3	.0	.0	23.5	
	22+	1.3	.3	.0	.4	2.0	2.8	3.2	1.6	.0	.0	11.6	
	TOT %	7.8	1.8	1.5	2.2	7.1	9.4	11.6	7.4	.0	1.2	50.0	
TOT OBS													344
TOT PCT													100.0

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1922-1972

AREA 0017 TIERRA DEL FUEGO
54.65 65.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	6.0	12.0	20.0	14.0	10.0	.0	.0	.0	62.0	38.0	50
06009	5.2	.0	1.7	6.9	13.8	10.3	10.3	.0	.0	3.4	51.7	48.3	58
12015	.0	.0	1.5	9.2	21.5	4.6	1.5	1.5	.0	.0	40.0	60.0	65
18021	.0	.0	1.5	14.7	20.6	17.6	4.4	2.9	.0	2.9	64.7	35.3	68
TOT	3	0	6	26	46	28	15	3	0	4	131	110	241
PCT	1.2	.0	2.5	10.8	19.1	11.6	6.2	1.2	.0	1.7	54.4	45.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
(GMT)							
00003	2.3	4.5	5.7	5.7	42.0	39.8	88
06009	3.6	1.2	3.6	2.4	39.8	49.4	83
12015	2.1	3.1	1.0	5.2	37.5	51.0	96
18021	1.1	2.2	3.4	2.2	32.6	58.4	89
TOT	8	10	12	14	135	177	356
PCT	2.2	2.8	3.4	3.9	37.9	49.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
(GMT)						
00003	.0	6.0	22.0	40.0	38.0	50
06009	5.2	6.9	15.5	37.9	46.6	58
12015	.0	3.1	15.4	26.2	58.5	65
18021	.0	1.5	19.1	47.1	33.8	68
TOT	3	10	43	91	107	241
PCT	1.2	4.1	17.8	37.8	44.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.6	.6	.6	.0	.0	6	1.9
50/54	.0	.0	.0	.3	2.6	7.7	11.5	4.5	83	26.6
45/49	.0	.0	.0	1.6	6.4	11.9	16.3	11.5	149	47.8
40/44	.0	.0	.0	1.3	4.8	5.8	6.1	4.8	71	22.8
35/39	.0	.0	.0	.0	.3	.3	.3	.0	3	1.0
TOTAL	0	0	0	12	46	82	107	65	312	100.0
PCT	.0	.0	.0	3.8	14.7	26.3	34.3	20.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.0	.0	.0	.0	.2	1.0	.0	.0	.0
50/54	6.2	1.0	.3	.6	.9	2.5	6.3	8.4	.0
45/49	6.4	3.8	2.8	2.2	3.5	7.4	12.8	7.2	.0
40/44	.6	2.0	2.1	2.5	6.4	3.1	2.8	1.0	.0
35/39	.0	.0	.0	.1	.9	.0	.0	.0	.0
TOTAL	13.8	6.8	5.2	5.4	11.7	15.2	23.0	16.6	.0
PCT	43.0	20.8	16.1	16.7	36.2	71.2	72.9	51.9	0.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
(GMT)									
00003	55	53	52	47	42	41	41	47.4	90
06009	55	54	53	47	40	38	38	46.6	84
12015	57	55	54	48	42	39	39	47.5	107
18021	56	55	54	48	42	40	40	47.9	89
TOT	57	55	53	47	41	39	38	47.4	370

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
(GMT)										
00003	.0	1.3	4.1	23.4	35.1	31.2	84	77		
06009	.0	3.9	19.5	26.0	28.6	22.1	80	77		
12015	.0	5.7	17.0	26.1	31.8	19.3	79	88		
18021	.0	3.7	12.3	30.9	40.7	12.3	79	81		
TOT	0	12	47	86	110	68	80	323		

FEBRUARY

PERIOD: (PRIMARY) 1932-1972
(OVER-ALL) 1927-1972

AREA 0017 TIERRA DEL FUEGO
54.6S 65.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	TOT	% FOG	% FOG
9/10	.0	.0	.0	.0	.9	.3	4	.0	1.2
7/8	.0	.0	.0	.0	1.2	.0	4	.0	1.2
6	.0	.0	.0	1.4	1.2	.0	9	.0	2.6
5	.0	.0	.9	2.0	1.2	.0	14	.0	4.0
4	.0	.3	.9	5.2	.3	.0	23	.0	6.6
3	.0	.0	4.0	4.9	1.2	.0	35	.6	9.5
2	.0	.3	4.0	6.6	.0	.0	38	.9	10.1
1	.0	.3	5.8	4.0	.0	.0	35	.9	9.2
0	.0	1.2	8.7	4.9	.0	.0	51	.6	14.2
-1	.3	2.0	6.9	1.4	.0	.0	37	.3	10.4
-2	.0	2.6	4.0	.3	.0	.0	24	.6	6.4
-3	.0	3.2	3.2	.3	.0	.0	23	.0	6.6
-4	.3	3.2	.6	.0	.0	.0	14	.0	4.0
-5	.9	2.6	.3	.3	.0	.0	14	.3	3.8
-6	.3	2.3	.3	.0	.0	.0	10	.0	2.9
-7/-8	.9	2.0	.0	.0	.0	.0	10	.0	2.9
-9/-10	.3	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	10	69	137	109	20	1	346	14	332
PCT	2.9	19.9	39.6	31.5	5.8	.3	100.0	4.0	96.0

PERIOD: (OVER-ALL) 1963-1972

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	2.7	.6	.0	.0	.0	3.3	.0	.8	.0	.0	.0	.0	.8
1-2	.0	2.3	3.8	.0	.0	.0	6.0	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.5	2.6	.0	.0	.0	3.0	.0	.2	3.2	.6	.0	.0	3.9
5-6	.0	.0	.5	.5	.0	.0	.9	.0	.0	1.2	.0	.0	.0	1.2
7	.0	.0	.5	.5	.0	.0	.9	.0	.0	.0	.6	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	7.8	.9	.0	.0	14.2	.0	2.0	4.4	1.4	.0	.0	7.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.6	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.6	.0	.0	.0	2.0	.0	.6	1.8	.0	.0	.0	2.4
3-4	.0	.0	.6	.6	.0	.0	1.2	.0	.6	.6	.0	.0	.0	1.2
5-6	.0	.0	.5	1.2	.0	.0	1.7	.0	.0	.3	.2	.0	.0	.5
7	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	1.2	.0	.0	1.2
8-9	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.8	.0	2.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.4	1.7	2.9	.0	.0	6.5	.0	1.2	2.7	2.6	.8	.0	7.2

PERIOD: (OVER-ALL) 1963-1972

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AREA 0017 TIERRA DEL FUEGO
54.65 63.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	1.5	.0	.0	.0	.0	1.5	
1-2	.0	.6	2.3	.0	.0	.0	2.9	.0	.8	3.2	.0	.0	.0	3.9	
3-4	.0	1.4	2.9	.0	.0	.0	4.2	.0	.5	2.6	.6	.0	.0	3.6	
5-6	.0	.0	.5	.5	.0	.0	.9	.0	.0	.8	.8	.0	.0	1.5	
7	.0	.0	.0	.6	.0	.0	.6	.0	.0	.6	1.5	.6	.0	2.7	
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	1.2	.0	.0	1.2	
10-11	.0	.0	.6	.6	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.8	.0	.0	.8	
13-16	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.5	6.2	3.9	.5	.0	14.0	.0	2.7	7.1	4.8	.6	.0	15.2	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.6	.0	.0	.0	.6	.0	1.4	.0	.0	.0	.0	1.4	
1-2	.5	2.1	.6	.0	.0	.0	3.2	.2	1.5	3.5	.0	.0	.0	5.1	
3-4	.0	.0	3.3	1.2	.0	.0	4.5	.0	.6	1.8	.0	.0	.0	2.4	
5-6	.0	.0	3.3	2.3	.0	.0	5.6	.0	.0	2.7	2.0	.0	.0	4.7	
7	.0	.0	.5	.9	.0	.0	1.4	.0	.0	.3	1.4	.0	.0	1.7	
8-9	.0	.0	.5	.6	.0	.0	1.1	.0	.0	.2	.0	.0	.0	.2	
10-11	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	2.1	8.7	5.6	.0	.0	16.9	.2	3.5	8.4	3.9	.0	.0	16.0	97.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.0	7.8	1.2	.0	.0	.0	12.0	
1-2	.6	10.2	15.7	.0	.0	.0	26.5	
3-4	.0	3.6	17.5	3.0	.0	.0	24.1	
5-6	.0	.0	9.6	7.2	.0	.0	16.9	
7	.0	.0	1.8	7.2	.6	.0	9.6	
8-9	.0	.0	.6	3.0	.0	.0	3.6	
10-11	.0	.0	.6	1.2	.0	.0	1.8	
12	.0	.0	.0	2.4	.0	.0	2.4	
13-16	.0	.0	.0	1.8	1.2	.0	3.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.6	21.7	47.0	25.9	1.8	.0	100.0	166

PERIOD: (OVER-ALL) 1951-1972

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	12.6	16.4	7.2	6.3	1.0	.5	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98	4
6-7	.0	5.8	4.3	4.3	4.8	4.3	1.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	53	5
8-9	.0	.0	.5	1.0	2.4	.5	1.0	2.9	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	10
10-11	.0	1.4	.0	.0	.5	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	1.4	.5	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
13-14	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
TOTAL	3.9	1.9	.0	1.9	1.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	207	5
PCT	6.3	21.7	22.7	15.5	15.5	5.8	4.3	4.8	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1958-1974
(OVER-ALL) 1923-1974

MARCH

AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	24.6	2.4	.0	.0	.0	.0	.0	27.0	.0	.0	11.1	.0	.0	.0	61.9
NE	30.0	.0	5.7	.0	.0	.0	.0	35.7	.0	.0	.0	.0	.0	.0	64.3
E	31.6	.0	14.0	.0	.0	.0	.0	43.6	.0	.0	14.0	.0	.0	.0	40.4
SE	4.2	.0	.0	.0	.0	.0	.0	4.2	4.2	.0	16.7	.0	.0	.0	75.0
S	9.4	6.8	3.4	.0	6.8	.0	.0	23.1	6.0	.0	17.1	.0	3.4	.0	50.4
SW	4.4	7.2	2.0	.0	3.2	.0	1.6	18.3	2.0	1.6	22.3	.0	.0	.0	57.4
W	7.8	6.0	2.4	.0	.0	.0	.0	16.3	3.3	.0	4.8	.0	.0	.0	75.6
NW	5.3	6.4	1.8	.0	.0	.0	.0	13.5	.0	.0	3.5	.0	.0	.0	83.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	11.1	5.2	2.8	.0	1.4	.0	.3	20.6	2.1	.3	10.8	.0	.3	.0	66.2
TOT OBS:	287														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
0000	12.9	2.4	1.2	.0	1.2	.0	.0	17.6	1.2	.0	7.1	.0	.0	.0	74.1
0600	17.2	3.1	1.6	.0	3.1	.0	1.6	25.0	1.6	1.6	15.6	.0	.0	.0	57.8
1200	7.3	7.3	3.7	.0	.0	.0	.0	18.3	1.2	.0	15.9	.0	.0	.0	64.6
1800	7.5	7.5	6.0	.0	1.5	.0	.0	22.4	4.5	.0	4.5	.0	1.5	.0	67.2
TOT PCT	11.1	5.0	3.0	.0	1.3	.0	.3	20.5	2.0	.3	10.7	.0	.3	.0	66.4
TOT OBS:	298														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.0	1.7	7.6	1.4	.3	.0		11.1	16.1		15.5	13.0	16.7	10.0	1.0	8.7	14.0	10.7
NE	.0	1.4	3.0	1.4	.0	.0		6.3	16.4		3.4	7.4	3.8	6.7	13.5	4.8	7.3	.9
E	.0	2.2	1.6	.9	.0	.0		4.7	13.4		5.2	7.4	4.5	.0	5.8	.0	6.7	6.3
SE	.0	.7	.8	.5	.0	.0		2.0	17.3		1.7	.0	5.1	.8	.0	.0	5.5	1.8
S	.5	1.0	4.8	3.1	.3	.0		9.7	18.1		5.2	9.3	7.7	10.8	10.6	15.4	9.1	15.2
SW	.2	4.5	9.9	5.4	2.6	.0		22.5	19.0		25.0	24.1	20.8	35.8	26.4	25.0	7.9	16.1
W	.2	3.4	14.2	9.6	1.4	.0		28.9	19.8		31.0	23.1	29.5	24.2	24.5	32.7	37.2	26.8
NW	.1	4.2	8.2	1.6	.7	.0		14.7	14.6		12.9	15.7	12.2	11.7	18.3	13.5	12.2	22.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	3	59	151	72	16	0	301		17.7		98	27	39	30	52	26	41	28
TOT PCT	1.0	19.6	50.2	23.9	5.3	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.3	6.0	4.5	.3	.0				11.1	16.1		
NE	.7	3.1	1.5	1.0	.0				6.3	16.4		
E	1.2	1.9	1.6	.0	.0				4.7	13.4		
SE	.3	.3	1.0	.3	.0				2.0	17.3		
S	1.2	2.6	5.1	.8	.0				9.7	18.1		
SW	2.2	7.6	8.3	4.5	.0				22.5	19.0		
W	.5	7.9	15.5	5.0	.0				28.9	19.8		
NW	1.2	8.9	4.0	.7	.0				14.7	14.6		
VAR	.0	.0	.0	.0	.0				.0	.0		
CALM	.0	.0	.0	.0	.0				.0	.0		
TOT OBS	23	115	125	38	0	301			98	27		
TOT PCT	7.6	38.2	41.5	12.6	.0		100.0		100.0	100.0		

PERIOD: (PRIMARY) 1958-1974
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	22.4	55.3	20.0	2.4	.0	16.5	100.0	85
06009	.0	1.4	14.5	55.1	23.2	5.8	.0	18.3	100.0	69
12015	.0	.0	21.8	41.0	28.2	9.0	.0	18.9	100.0	78
18021	.0	2.9	18.8	49.3	24.6	4.3	.0	17.3	100.0	69
TOT	0	3	59	151	72	16	0	17.7		301
PCT	.0	1.0	19.6	50.2	23.9	5.3	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	1.5	.8	6.9		5.9
NE	1.1	.0	.8	6.7		3.9
E	.0	.0	1.5	4.5		7.6
SE	.5	.0	.7	.8		5.2
S	1.1	.0	3.4	5.6		6.8
SW	2.8	.5	7.9	9.4		6.2
W	1.5	.9	13.4	13.4		6.7
NW	1.7	1.3	6.0	3.6		5.8
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	20	8	65	96	189	6.4
TOT PCT	10.6	4.2	34.4	50.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	HEAVY CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	2.0	1.5	.8	6.9		5.9	.0	.0	.0	.4	2.9	.0	.0	.0	.4	.0	7.4	
NE	1.1	.0	.8	6.7		3.9	.0	.0	.0	.0	2.9	2.8	.5	.5	.0	.0	1.9	
E	.0	.0	1.5	4.5		7.6	.0	.0	.0	.0	4.0	2.0	.0	.0	.0	.0	.0	
SE	.5	.0	.7	.8		3.2	.0	.0	.0	.0	.8	.1	.0	.0	.0	.0	1.1	
S	1.1	.5	3.4	5.6		6.8	.0	.0	.0	.9	4.5	3.0	.0	.0	.0	.0	1.6	
SW	2.8	.0	7.9	9.4		6.2	.5	.1	.5	1.9	6.2	3.7	.4	.0	.0	.0	7.3	
W	1.5	.9	13.4	13.4		6.7	.5	.4	.0	7.3	5.8	4.1	1.2	1.1	.5	1.1	7.1	
NW	1.7	1.3	6.0	3.6		5.8	.0	.0	.0	.1	2.5	2.2	.5	.0	.7	.0	6.5	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	20	8	65	96	189	6.4	2	1	1	20	56	34	5	3	3	2	62	
TOT PCT	10.6	4.2	34.4	50.8	100.0		1.1	.5	.5	10.6	29.6	18.0	2.6	1.6	1.6	1.1	32.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	2.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
>5000	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
>3500	6.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6
>2000	16.2	22.7	23.2	23.2	23.2	23.7	23.7	23.7
>1000	29.3	49.0	52.5	53.0	53.0	53.5	53.5	53.5
>600	31.8	54.5	60.6	63.1	63.1	63.6	63.6	63.6
>300	32.8	55.6	61.6	64.1	64.1	64.6	64.6	64.6
>150	32.8	55.6	62.1	64.6	64.6	65.2	65.2	65.2
>0	32.8	55.6	62.1	65.2	65.2	65.7	66.2	66.2
TOTAL	65	110	123	129	129	130	131	131

TOTAL NUMBER OF OBS: 198

PCT FREQ NM <5/8: 33.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
8.0	7.5	6.6	5.2	5.2	6.1	10.8	7.5	42.0	.9	212

PERIOD: (PRIMARY) 1958-1974
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.4	.4	.7	.0	.0	.0	.0	1.4	.0
	TOT %	.0	.0	.0	.4	.4	.7	.0	.0	.0	.0	1.4	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.2	.5	.4	.0	.0	.0	1.1	.0
	TOT %	.0	.0	.0	.0	.2	.5	.4	.0	.0	.0	1.1	.0
1<2	PCP	.4	.4	.0	.0	.0	.8	.6	.0	.0	.0	2.1	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0
	TOT %	.4	.4	.0	.0	.0	.8	1.0	.0	.0	.0	2.5	.0
2<5	PCP	.0	.0	.4	.0	.0	.9	.5	.4	.0	.0	2.1	.0
	NO PCP	.7	.0	.4	.0	.4	.1	1.7	.0	.0	.0	3.2	.0
	TOT %	.7	.0	.7	.0	.4	1.0	2.2	.4	.0	.0	5.3	.0
5<10	PCP	2.0	1.4	1.7	.1	2.0	2.0	2.6	1.1	.0	.0	13.0	.0
	NO PCP	1.8	1.4	1.8	.8	3.7	9.4	7.2	3.9	.0	.0	29.9	.0
	TOT %	3.8	2.8	3.4	.9	5.7	11.4	9.9	5.0	.0	.0	42.9	.0
10+	PCP	.6	.4	.3	.0	.4	.4	1.0	.5	.0	.0	3.5	.0
	NO PCP	5.6	2.6	.6	.9	3.3	7.3	14.6	8.4	.0	.0	43.3	.0
	TOT %	6.3	3.0	.9	.9	3.7	7.7	15.6	8.9	.0	.0	46.8	.0
TOT OBS		284											
TOT PCT		11.1	6.2	5.0	2.1	10.3	22.1	29.0	14.3	.0	.0	100.0	.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.4	.7	.0	.0	.0	.0	1.1	.0
	11-21	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.4	.4	.7	.0	.0	.0	.0	1.4	.0
1/2<1	0-3	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.4	.0
	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.0
	11-21	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.2	.5	.4	.0	.0	.0	1.1	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0
	11-21	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.7	.0
	22+	.0	.0	.0	.0	.0	.4	.6	.0	.0	.0	1.1	.0
	TOT %	.4	.4	.0	.0	.0	.8	1.0	.0	.0	.0	2.5	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.7	.0	.7	.0	.4	.0	.4	.0	.0	.0	2.1	.0
	22+	.0	.0	.0	.0	.0	1.0	1.8	.4	.0	.0	3.2	.0
	TOT %	.7	.0	.7	.0	.4	1.0	2.2	.4	.0	.0	5.3	.0
5<10	0-3	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	.0
	4-10	.3	.4	1.8	.4	.4	1.5	1.3	.4	.0	.0	6.3	.0
	11-21	2.8	1.8	.7	.1	2.4	5.0	5.9	3.2	.0	.0	21.8	.0
	22+	.7	.7	1.0	.4	2.6	4.9	2.6	1.4	.0	.0	14.4	.0
	TOT %	3.8	2.8	3.4	.9	5.7	11.4	9.8	5.0	.0	.0	42.8	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.3	.1	.0	.0	.4	.0
	4-10	1.2	1.3	.6	.4	.4	1.5	2.3	3.6	.0	.0	11.2	.0
	11-21	3.9	1.2	.3	.4	2.4	4.0	6.4	6.6	.0	.0	23.2	.0
	22+	1.1	.8	.0	.1	1.0	2.1	6.6	.6	.0	.0	12.3	.0
	TOT %	6.2	3.3	.9	.9	3.7	7.6	15.3	8.9	.0	.0	47.0	.0
TOT OBS		285											
TOT PCT		11.1	6.5	5.0	2.1	10.3	22.0	28.9	14.2	.0	.0	100.0	.0

PERIOD: (PRIMARY) 1953-1974
(OVER-ALL) 1923-1974

MARCH

AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	10.6	29.8	12.8	.0	.0	4.3	4.3	61.7	38.3	47
06009	4.8	.0	.0	11.9	26.2	11.9	4.8	2.4	.0	.0	61.9	38.1	42
12015	.0	.0	1.7	8.5	32.2	23.7	5.1	1.7	1.7	.0	74.6	25.4	59
18021	.0	1.9	1.9	9.6	28.8	17.3	.0	1.9	.0	.0	61.5	38.5	52
TOT	2	1	2	20	59	34	5	3	3	2	131	69	200
PCT	1.0	.5	1.0	10.0	29.5	17.0	2.5	1.5	1.5	1.0	65.5	34.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	2.4	6.0	47.0	44.6	83
06009	3.1	1.6	4.7	6.3	43.8	40.6	64
12015	3.7	2.4	2.4	3.7	37.8	50.0	82
18021	.0	.0	.0	7.5	38.8	53.7	67
TOT	5	3	7	17	124	140	296
PCT	1.7	1.0	2.4	5.7	41.9	47.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	14.9	46.8	38.3	47
06009	4.8	4.8	21.4	42.9	35.7	42
12015	.0	3.4	16.9	57.6	25.4	59
18021	.0	4.0	20.0	46.0	34.0	50
TOT	2	6	36	97	65	198
PCT	1.0	3.0	18.2	49.0	32.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	.4	.0	.0	.0	1	.4
50/54	.0	.0	.0	.0	3.1	2.7	6.6	3.1	40	13.5
45/49	.0	.0	.0	.0	2.7	8.9	16.3	18.2	119	46.1
40/44	.0	.0	.0	.0	2.3	5.4	10.1	15.5	86	33.3
35/39	.0	.0	.0	.0	.8	.4	.4	2.7	11	4.3
30/34	.0	.0	.0	.0	.0	.0	.0	.4	1	.4
TOTAL	0	0	0	0	24	45	86	103	258	100.0
PCT	.0	.0	.0	.0	9.3	17.4	33.3	39.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
50/54	3.7	1.2	.4	.0	.4	1.6	3.8	4.5	.0	.0
45/49	6.0	1.3	2.6	1.4	1.6	6.1	19.7	7.6	.0	.0
40/44	2.2	3.2	.4	.6	5.8	8.9	8.3	3.9	.0	.0
35/39	.0	.0	.4	.0	1.1	2.4	.2	.2	.0	.0
30/34	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0
TOTAL	11.9	5.6	3.8	2.3	8.8	19.5	32.0	16.1	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	52	51	50	45	37	29	29	44.9	88
06009	54	53	50	45	36	34	34	44.9	72
12015	54	53	51	45	38	35	35	44.8	81
18021	55	54	53	46	39	37	37	46.2	74
TOT	55	54	51	45	38	34	29	45.2	315

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	3.8	17.9	43.6	34.6	86	78		
06009	.0	.0	5.2	15.5	25.9	33.4	88	58		
12015	.0	.0	8.7	17.4	31.9	42.0	86	69		
18021	.0	.0	19.4	16.1	30.6	33.9	83	62		
TOT	0	0	24	45	90	108	85	267		

MARCH

PERIOD: (PRIMARY) 1958-1974
(OVER-ALL) 1923-1974

AREA 0017 TIERRA DEL FUEGO
55.2S 65.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	49 52	53 56	TOT	% FOG	% FOG
9/10	.0	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	.0	.7	.0	2	.4	.4
5	.0	.0	.0	.0	.7	.7	4	.4	1.1
4	.0	.0	.0	1.8	.7	.7	9	.0	3.2
3	.0	.0	.0	1.4	2.5	.0	11	.4	3.5
2	.0	.0	1.8	2.8	1.8	.0	18	.4	6.0
1	.0	.0	3.5	6.4	5.3	.0	43	2.5	12.7
0	.0	.0	3.9	7.8	4.9	.0	47	.7	15.9
-1	.0	.4	2.5	4.6	1.8	.0	26	1.8	7.4
-2	.0	1.8	2.8	6.4	.4	.0	32	.4	11.0
-3	.0	.7	2.8	4.9	.0	.0	24	.4	8.1
-4	.0	1.1	4.2	2.1	.4	.0	22	.0	7.8
-5	.4	1.4	3.5	1.8	.0	.0	20	.7	6.4
-6	.4	1.4	1.1	.4	.0	.0	9	.0	3.2
-7/-8	.7	.7	1.4	.7	.0	.0	10	.7	2.8
-9/-10	.7	1.1	.0	.0	.0	.0	5	.0	1.8
TOTAL	6	24	78	116	55	4	283	24	239
PCT	2.1	8.5	27.6	41.0	19.4	1.4	100.0	8.5	91.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	1.0	.0	.0	.0	1.7	.0	2.1	.0	.0	.0	.0	2.1
3-4	.0	.7	2.6	.7	.0	.0	4.0	.0	.0	2.1	2.9	.0	.0	5.0
5-6	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	6.4	1.4	.0	.0	9.3	.0	2.1	2.1	4.0	.0	.0	8.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	1.0	.0	.0	.0	3.8	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.5
5-6	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	1.9	.0	.0	.0	4.8	.0	1.0	.2	.2	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1974

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55.25 65.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	4.5	.0	.0	.0	4.5	.0	2.9	5.0	.0	.0	.0	7.9	
3-4	.0	.0	4.5	2.6	.0	.0	7.1	.0	1.9	2.1	.0	.0	.0	4.0	
5-6	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	1.0	1.0	1.0	.0	2.9	
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	1.0	1.2	.0	.0	2.1	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.0	10.0	3.6	.0	.0	14.5	.0	4.8	9.0	4.3	1.2	.0	19.3	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.7	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.2	
1-2	.0	.0	4.3	.0	.0	.0	4.3	.0	3.8	4.3	.0	.0	.0	8.1	
3-4	.0	1.9	2.6	2.9	.0	.0	7.4	.0	.2	1.0	.2	.0	.0	1.4	
5-6	.0	.0	1.0	1.9	.0	.0	2.9	.0	.0	1.0	.0	.0	.0	1.0	
7	.0	.0	1.7	2.6	.0	.0	4.3	.0	.0	.2	.0	.0	.0	.2	
8-9	.0	.0	.0	4.8	.0	.0	4.8	.0	.0	1.0	.0	.0	.0	1.0	
10-11	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	
12	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	1.0	.0	1.0	
13-16	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.2	.0	.0	.2	
17-19	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	1.9	9.5	14.5	1.7	.0	28.3	.2	4.0	7.4	1.4	1.0	.0	14.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.9	.9	.9	.0	.0	.0	3.8	
1-2	.0	13.2	19.8	.0	.0	.0	33.0	
3-4	.0	4.7	15.1	9.4	.0	.0	29.2	
5-6	.0	.0	5.7	3.8	.9	.0	10.4	
7	.0	.0	3.8	3.8	.0	.0	7.5	
8-9	.0	.0	.9	5.7	.0	.0	6.6	
10-11	.0	.0	.0	1.9	.0	.0	1.9	
12	.0	.0	.0	.9	1.9	.0	2.8	
13-16	.0	.0	.0	1.9	.0	.0	1.9	
17-19	.0	.0	.0	.9	.0	.0	.9	
20-22	.0	.0	.0	.9	.9	.0	1.9	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.9	18.9	46.2	29.2	3.8	.0	100.0	106

PERIOD: (OVER-ALL) 1950-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.7	19.0	14.4	5.9	3.3	4.6	.7	2.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	4
6-7	.0	.7	8.5	4.6	3.3	1.3	.7	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	6
8-9	.0	.7	3.3	.7	1.3	2.0	.7	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	16	8
10-11	.0	.0	.0	.7	.7	.0	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
12-13	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
>13	.0	.0	.0	.7	.7	.7	.7	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	7	13
INDET	2.0	.0	2.0	1.3	.0	.0	1.3	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	5
TOTAL	4	31	43	21	16	13	6	4	8	3	4	0	0	0	0	0	0	0	0	159	6
PCT	2.6	20.3	28.1	13.7	10.5	8.5	3.9	2.6	5.2	2.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1927-1974AREA 0017 TIERRA DEL FUEGO
54.95 65.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WNO DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	2.8	8.3	2.8	.0	.0	.0	.0	13.8	.0	.0	14.5	2.8	.0	.0	69.0
NE	6.2	7.8	3.1	.0	1.6	.0	.0	18.6	.0	.0	29.5	.0	.0	.0	51.9
E	24.7	14.8	.0	.0	4.9	.0	.0	42.0	.0	.0	27.2	.0	.0	.0	30.9
SE	.0	5.0	.0	.0	5.0	.0	.0	5.0	.0	.0	60.0	.0	.0	.0	35.0
S	.0	.0	.0	.0	26.3	.0	.0	26.3	.0	.0	5.3	.0	.0	.0	68.4
SW	.0	.0	.0	.0	7.1	.0	8.6	15.7	.0	.0	1.4	.0	.0	.0	82.9
W	4.8	5.3	.0	.0	.0	.0	.0	10.1	.0	.0	10.6	.0	.0	.0	79.3
NW	5.2	7.4	5.9	.0	.0	.0	.0	18.5	.0	.0	23.0	.0	.0	.0	58.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	5.3	6.2	1.8	.0	3.1	.0	1.3	17.3	.0	.0	17.8	.4	.0	.0	64.4
TOT OBS:	225														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG BLWG SNOW	NO SIG WEA	
0000	5.9	7.4	1.5	.0	7.4	.0	2.9	23.5	.0	.0	19.1	1.5	.0	.0	55.9	
0600	6.7	8.9	.0	.0	.0	.0	4.4	20.0	.0	.0	17.8	.0	.0	.0	62.2	
1200	4.2	5.6	2.8	.0	2.8	.0	.0	15.3	.0	.0	18.1	.0	.0	.0	66.7	
1800	4.3	2.2	2.2	.0	.0	.0	.0	8.7	.0	.0	15.2	.0	.0	.0	76.1	
TOT PCT TOT OBS:	5.2 231	6.1	1.7	.0	3.0	.0	1.7	17.3	.0	.0	17.7	.4	.0	.0	64.5	

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.4	2.6	8.4	4.5	.4	.0		16.3	17.3	20.7	19.0	17.3	20.5	16.1	10.9	6.7	13.9	
NE	.0	3.5	9.0	1.7	.2	.0		14.4	15.0	15.9	22.4	3.8	18.2	10.1	15.6	.0	16.7	
E	.4	2.7	2.6	1.9	1.0	.0		8.6	17.6	12.2	10.3	3.8	10.6	7.7	4.7	.0	11.1	
SE	.8	2.5	.8	.2	.0	.0		4.4	7.9	2.4	3.4	3.8	6.1	4.8	6.3	6.7	2.8	
S	.0	2.3	1.7	.6	.4	.0		5.0	14.2	3.7	5.2	3.8	4.5	6.0	1.6	19.3	5.6	
SW	.8	1.5	6.3	6.4	1.6	.0		16.6	21.5	11.0	12.9	38.5	18.2	15.5	14.1	31.7	13.9	
W	.0	4.9	5.5	5.9	2.8	.4		19.5	21.4	25.6	18.1	21.2	11.4	14.9	26.6	20.7	16.7	
NW	.4	1.2	8.4	4.6	.2	.0		14.8	18.2	8.5	8.6	7.7	7.6	25.0	20.3	15.0	19.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.4							.4	.0	.0	.0	.0	3.0	.0	.0	.0	.0	
TOT OBS	8	51	103	62	16	1	241		18.0	41	29	13	33	42	32	15	36	
TOT PCT	3.3	21.2	42.7	25.7	6.6	.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.2	6.1	7.5	1.5	.0		16.3	17.3	20.0	19.6	13.9	11.8
NE	1.5	6.5	6.0	.2	.2		14.4	15.0	18.6	14.1	12.5	11.8
E	2.3	1.3	3.7	.2	1.0		8.6	17.6	11.4	8.7	6.4	7.8
SE	2.7	1.0	.6	.0	.0		4.4	7.9	2.9	5.4	5.4	3.9
S	1.9	1.7	.6	.8	.0		5.0	14.2	4.3	4.3	4.1	7.8
SW	1.2	4.8	4.3	5.5	.8		16.6	21.5	11.8	23.9	14.9	19.1
W	1.5	7.1	3.8	5.7	1.5		19.5	21.4	22.8	14.1	19.8	19.6
NW	1.0	5.1	6.2	2.3	.2		14.8	18.2	8.6	7.6	23.0	18.1
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.4						.4	.0	.0	2.2	.0	.0
TOT OBS	33	81	79	39	9	241		18.0	70	46	76	51
TOT PCT	13.7	33.6	32.8	16.2	3.7		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1922-1974

APRIL

AREA 0017 TIERRA DEL FUEGO
54.95 65.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
0000	.0	1.4	17.1	41.4	27.1	11.4	1.4	20.2	100.0	70
0600	2.2	.0	30.4	28.3	26.1	13.0	.0	19.0	100.0	46
1200	.0	4.1	21.6	43.9	27.0	1.4	.0	16.9	100.0	74
1800	.0	5.9	17.6	52.9	21.6	2.0	.0	15.7	100.0	51
TOT	1	7	51	103	62	16	1	18.0		241
PCT	.4	2.9	21.2	42.7	25.7	6.6	.4	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	5.7	9.1		7.3
NE	.0	.0	1.1	4.0		7.7
E	.0	.0	1.1	1.7		7.6
SE	.0	2.3	.0	.0		4.0
S	.0	.0	4.5	.0		6.0
SW	6.0	2.8	10.2	2.8		4.3
W	5.7	4.0	13.6	15.3		6.0
NH	.0	2.3	2.3	3.4		6.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	6	9	17	16	44	5.9
TOT PCT	13.6	11.4	38.6	36.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	1.7	.0	.0	.0	.0	4.5	.0	.0	1.1	.0	7.4	
NE	2.3	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
E	.0	.0	.0	.0	1.7	.0	1.1	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
SW	.0	.0	.0	.0	3.4	2.3	2.3	.0	.0	.0	15.3	
W	.0	.0	.0	.0	7.4	5.7	9.1	.0	.0	.0	16.5	
NH	.6	.0	.0	.0	.6	1.1	.0	1.1	.0	.0	4.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	2	0	0	0	6	6	0	1	0	0	23	44
TOT PCT	4.5	.0	.0	.0	13.6	13.6	13.6	.0	2.3	.0	52.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR >10	OR >5	OR >2	VSBY (NM) OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >4500	.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
OR >4000	.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
OR >3500	.0	13.6	15.9	15.9	15.9	15.9	15.9	15.9
OR >3000	4.5	27.3	29.5	29.5	29.5	29.5	29.5	29.5
OR >2500	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
OR >2000	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
OR >1500	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
OR >1000	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
OR >500	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
OR >150	13.6	40.9	43.2	43.2	43.2	43.2	43.2	43.2
OR >0	13.6	40.9	43.2	43.2	43.2	47.7	47.7	47.7
TOTAL	6	18	19	19	19	21	21	21

TOTAL NUMBER OF OBS: 44

PCT FREQ NH <5/8: 52.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
17.3	5.8	9.6	3.8	9.6	7.7	5.8	7.7	30.8	1.9	52

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1922-1974

APRIL

AREA 0017 TIERRA DEL FUEGO
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
	TOT %	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
1/2<1	PCP	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.9
	NO PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.9	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.4	.4	.0	.0	.0	.0	.7	.2	.0	.0	.0	1.8
	NO PCP	.0	.7	.7	.0	.0	.2	.2	.4	.0	.0	.0	2.2
	TOT %	.4	1.1	.7	.0	.0	.2	.9	.7	.0	.0	.0	4.0
5<10	PCP	.9	2.0	3.6	.2	1.1	2.5	1.5	2.1	.0	.0	.0	13.9
	NO PCP	9.4	8.5	3.6	3.8	1.8	8.4	11.9	10.0	.0	.4	.4	57.8
	TOT %	10.3	10.5	7.2	4.0	2.9	10.9	13.3	12.1	.0	.4	.4	71.7
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	3.8	2.1	1.0	.4	1.3	4.6	6.8	1.8	.0	.0	.0	22.0
	TOT %	3.8	2.1	1.0	.4	1.3	4.6	6.8	1.8	.0	.0	.0	22.0
TOT OBS													223
TOT PCT		15.8	14.2	8.9	4.5	4.3	15.7	21.1	15.1	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.3	.4	.0	.0	.0	.0	.0	.1	.0	.0	.0	.9
1/2<1	0-3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
	TOT %	.9	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	1.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.7	.2	.0	.0	.2	.2	.0	.0	.0	.0	1.3
	22+	.4	.4	.4	.0	.0	.0	.7	.2	.0	.0	.0	2.2
	TOT %	.4	1.1	.7	.0	.0	.2	.9	.7	.0	.0	.0	4.0
5<10	0-3	.0	.0	.4	.9	.0	.4	.0	.0	.0	.4	.4	2.2
	4-10	2.5	3.6	2.2	2.2	.7	.4	2.1	1.0	.0	.0	.0	14.8
	11-21	4.3	5.8	2.2	.7	1.1	2.2	2.7	7.8	.0	.0	.0	26.9
	22+	3.6	1.1	2.2	.2	1.1	7.7	8.5	3.3	.0	.0	.0	27.8
	TOT %	10.3	10.5	7.2	4.0	2.9	10.9	13.3	12.1	.0	.4	.4	71.7
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.3	.2	.7	.4	.9	.7	3.1	.3	.0	.0	.0	6.7
	11-21	3.1	1.9	.3	.0	.4	3.5	3.0	.7	.0	.0	.0	13.0
	22+	.3	.0	.0	.0	.0	.4	.7	.8	.0	.0	.0	2.2
	TOT %	3.8	2.1	1.0	.4	1.3	4.6	6.8	1.8	.0	.0	.0	22.0
TOT OBS													223
TOT PCT		15.8	14.2	8.9	4.5	4.3	15.7	21.1	15.1	.0	.4	100.0	

APRIL

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1922-1974AREA 0017 TIERRA DEL FUEGO
54.95 65.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	22.2	11.1	22.2	.0	.0	.0	55.6	44.4	9
06009	.0	.0	.0	.0	.0	12.5	12.5	.0	12.5	.0	37.5	62.5	8
12015	12.5	.0	.0	.0	12.5	12.5	12.5	.0	.0	.0	50.0	50.0	16
18021	.0	.0	.0	.0	16.7	16.7	8.3	.0	.0	.0	41.7	58.3	12
TOT	2	0	0	0	6	6	6	0	1	0	21	24	45
PCT	4.4	.0	.0	.0	13.3	13.3	13.3	.0	2.2	.0	46.7	53.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	1.5	.0	6.0	73.1	19.4	67
06009	.0	.0	.0	2.3	72.7	25.0	44
12015	2.8	1.4	.0	4.2	73.6	18.1	72
18021	.0	2.2	.0	2.2	67.4	28.3	46
TOT	2	3	0	9	165	50	229
PCT	.9	1.3	.0	3.9	72.1	21.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	55.6	44.4	9
06009	.0	.0	.0	37.5	62.5	8
12015	12.5	12.5	18.8	31.3	50.0	16
18021	.0	.0	.0	49.5	54.5	11
TOT	2	2	3	18	23	44
PCT	4.5	4.5	6.8	40.9	52.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	.0	.0	.5	.0	1	.5
50/54	.0	.0	.0	.0	1.0	.5	1.5	.5	7	3.6
45/49	.0	.0	.0	.0	1.0	8.7	11.2	11.7	64	32.7
40/44	.0	.0	.0	.0	3.1	6.6	18.3	17.3	85	43.4
35/39	.0	.0	.0	.0	1.5	4.6	3.6	7.7	34	17.3
30/34	.0	.0	.0	.0	.0	.5	1.0	1.0	5	2.6
TOTAL	0	0	0	0	13	41	67	75	196	100.0
PCT	.0	.0	.0	.0	6.6	20.9	34.2	38.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
50/54	.3	1.0	.0	.0	.5	.0	.0	1.8	.0	.0
45/49	7.9	3.8	1.8	.0	1.5	1.8	8.5	7.3	.0	.0
40/44	4.6	8.2	3.1	1.8	.3	11.7	10.8	2.9	.0	.0
35/39	1.8	2.6	4.1	2.0	1.8	2.8	1.8	.0	.0	.5
30/34	.0	.0	.8	1.0	.5	.3	.0	.0	.0	.0
TOTAL	14.5	15.7	10.1	4.8	4.6	16.6	21.2	12.0	.0	.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	53	52	49	44	36	34	34	43.1	73
06009	49	48	48	42	36	34	34	42.3	50
12015	57	56	49	44	37	33	33	44.0	81
18021	53	52	51	45	38	35	35	45.0	53
TOT	57	53	49	44	37	34	33	43.6	257

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	6.7	23.3	31.7	38.3	86	60
06009	.0	.0	7.7	17.9	35.9	38.5	85	39
12015	.0	.0	6.3	15.9	38.1	39.7	86	63
18021	.0	.0	7.5	27.5	30.0	35.0	84	40
TOT	0	0	14	42	69	77	85	202

APRIL

PERIOD: (PRIMARY) 1927-1974
(OVER-ALL) 1922-1974

TABLE 17

AREA 0017 TIERRA DEL FUEGO
54.95 65.24PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOLT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	WD FOG
7/8	.0	.0	.5	.0	.0	.5	.5	3	.0	1.4
6	.0	.0	.0	.0	.5	.0	.0	1	.0	.5
5	.0	.0	.0	.0	.5	.0	.0	1	.0	.5
4	.0	.0	.0	.5	.9	.0	.0	3	.5	.9
3	.0	.0	3.3	2.8	1.4	.0	.0	16	.9	6.6
2	.0	.0	3.8	3.8	2.3	.0	.0	21	1.4	8.5
1	.0	.5	3.8	6.6	.0	.0	.0	23	2.3	8.5
0	.0	.9	4.7	5.2	1.9	.0	.0	27	2.8	9.9
-1	.0	.5	7.5	4.7	.0	.0	.0	27	2.8	9.9
-2	.0	2.3	3.3	5.2	.0	.0	.0	23	1.9	8.9
-3	.0	1.4	2.8	1.4	.0	.0	.0	12	.5	5.2
-4	.0	3.3	3.8	.0	.0	.0	.0	15	.5	6.6
-5	.9	2.8	2.8	.0	.0	.0	.0	14	1.9	4.7
-6	.5	1.9	1.4	.0	.0	.0	.0	8	1.9	1.9
-7/-8	3.3	5.2	.0	.0	.0	.0	.0	18	1.9	6.6
-9/-10	.5	.0	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	11	40	80	64	16	1	1	213	41	172
PCT	5.2	18.8	37.6	30.0	7.5	.5	.5	100.0	19.2	80.8

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.5	7.5	.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.5	27.5	.0	.0	.0	35.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1974

APRIL

AREA 0017 TIERRA DEL FUEGO
54.9S 65.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	10.0	10.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	10.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	10.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	10.0	.0	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	20.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.5	2.5	.0	.0	.0	5.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	7.5	.0	.0	7.5	.0	.0	.0	2.5	.0	.0	2.5	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	7.5	.0	.0	7.5	.0	2.5	2.5	2.5	.0	.0	7.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.0	10.0	.0	.0	.0	20.0	.0
3-4	.0	20.0	20.0	.0	.0	.0	40.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	10.0	.0	.0	10.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	10.0	.0	.0	10.0	.0
17-19	.0	.0	.0	10.0	.0	.0	10.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	30.0	40.0	30.0	.0	.0	100.0	10

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	3.3	6.7	3.3	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
6-7	.0	.0	10.0	3.3	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	5	7
8-9	.0	.0	.0	3.3	3.3	6.7	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	8	10
10-11	.0	3.3	.0	.0	.0	.0	3.3	6.7	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	10
12-13	.0	.0	6.7	3.3	.0	.0	6.7	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
>13	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	.0	2	7	4	1	2	4	3	4	1	2	0	0	0	0	0	0	0	0	30	8
PCT	.0	6.7	23.3	13.3	3.3	6.7	13.3	10.0	13.3	3.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	10.7	8.3	6.3	.0	.0	.0	.0	31.3	.0	.0	29.2	.0	.0	.0	39.6
NE	4.3	.0	17.4	.0	.0	.0	.0	21.7	.0	.0	34.8	.0	.0	.0	43.5
E	23.8	.0	.0	.0	.0	.0	.0	23.8	.0	.0	9.5	.0	.0	.0	66.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	85.7
S	.0	.0	2.4	.0	3.6	.0	2.4	8.4	.0	.0	19.3	.0	.0	.0	72.3
SW	6.2	3.1	7.8	.0	.8	.0	9.3	27.1	3.9	.0	12.4	.0	.0	.0	56.6
W	7.7	9.4	2.6	.0	1.7	.0	4.3	25.5	3.0	.0	7.7	.0	.0	.0	63.8
NW	1.3	11.9	5.3	.0	.0	.0	.0	18.5	.0	.0	10.6	.0	2.6	.0	68.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.1	6.5	5.0	.0	1.0	.0	3.0	22.6	1.5	.0	14.6	.0	.5	.0	60.8
TOT OBS:	149														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
00003	6.8	1.7	3.4	.0	.0	.0	3.4	15.9	1.7	.0	20.3	.0	.0	.0	62.7
06009	9.3	18.6	7.0	.0	2.3	.0	2.3	39.5	2.3	.0	11.6	.0	.0	.0	46.5
12015	4.8	6.5	6.5	.0	1.6	.0	3.2	22.6	1.6	.0	11.3	.0	1.6	.0	62.9
18021	6.5	4.3	4.3	.0	.0	.0	2.2	17.4	.0	.0	15.2	.0	.0	.0	67.4
TOT PCT	6.7	7.1	5.2	.0	1.0	.0	2.9	22.9	1.4	.0	14.8	.0	.5	.0	60.5
TOT OBS:	210														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	4.4	2.5	3.7	.5	.0		11.1	17.2	7.0	9.5	5.6	18.0	8.1	12.5	17.4	14.6	
NE	.0	2.3	2.1	1.4	.0	.0		5.8	13.6	4.7	14.3	8.3	10.0	1.2	.0	6.5	6.3	
E	.0	1.2	.5	2.8	.5	.0		4.8	21.9	7.0	.0	11.1	.0	3.5	.0	17.4	.0	
SE	.0	1.4	.2	.0	.0	.0		1.6	7.4	1.2	2.4	5.6	.0	2.3	.0	2.2	.0	
S	.5	3.2	3.9	2.3	.3	.0		10.3	14.7	12.8	16.7	2.8	8.0	12.2	.0	13.0	10.4	
SW	2.3	4.4	9.7	1.8	.3	.0		18.5	12.8	21.5	7.1	31.9	12.0	15.7	17.5	21.7	22.9	
W	.5	6.9	12.2	6.5	1.0	1.6		28.7	18.8	23.8	23.8	26.4	24.0	36.6	45.0	17.4	31.3	
NW	.0	2.5	10.8	5.1	.6	.2		19.2	18.8	22.1	26.2	8.3	28.0	20.3	25.0	4.3	14.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	7	57	81	51	7	4	217		16.8		43	21	18	25	43	20	23	24
TOT PCT	3.2	26.3	41.9	23.5	3.2	1.8	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	.9	5.3	2.1	2.8	.0		11.1	17.2	7.8	12.8	9.5	16.0	
NE	.9	3.5	1.2	.2	.0		5.8	13.6	7.8	9.3	.8	6.4	
E	.9	.7	1.2	2.1	.0		4.8	21.9	4.7	4.7	2.4	8.5	
SE	.9	.7	.0	.0	.0		1.6	7.4	1.6	2.3	1.6	1.1	
S	2.3	3.7	3.9	.0	.3		10.3	14.7	14.1	5.8	8.3	11.7	
SW	4.1	9.1	5.0	.0	.3		18.5	12.8	16.8	20.3	16.3	22.3	
W	2.3	11.9	9.6	2.6	2.3		28.7	18.8	23.8	25.0	39.3	24.5	
NW	.5	6.2	10.4	1.5	.7		19.2	18.8	23.4	19.8	21.8	9.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
TOT OBS	28	89	72	20	8	217		16.8	64	43	63	47	
TOT PCT	12.9	41.0	33.2	9.2	3.7	100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.4S 65.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.0	4.7	26.6	40.6	25.0	3.1	.0	16.1	100.0	64
06009	.0	2.3	34.9	30.2	27.9	.0	4.7	16.9	100.0	43
12015	.0	3.2	23.8	44.4	20.6	4.8	3.2	17.6	100.0	63
18021	.0	2.1	21.3	51.1	21.3	4.3	.0	16.4	100.0	47
TOT	.0	7	57	91	51	7	4	16.8		217
PCT	.0	3.2	26.3	41.9	23.5	3.2	1.8	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	4.7	1.2	2.3	.0		2.8
NE	.0	.0	.0	1.2		8.0
E	.0	.0	1.2	7.0		7.7
SE	1.2	.0	1.2	4.7		6.3
S	1.2	2.3	9.3	1.2		5.1
SW	11.6	2.3	2.3	2.3		2.6
W	12.8	5.8	7.0	6.4		4.0
NW	5.8	2.3	2.3	.6		3.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	16	6	11	10	43	4.2
TOT PCT	37.2	14.0	25.6	23.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH > 4/8)
AND OCCURRENCE OF NH < 5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH < 5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.1	
NE	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	3.5	1.2	2.3	.0	.0	.0	1.2	
SE	.0	.0	.0	.0	1.2	1.2	2.3	.0	.0	.0	1.2	
S	.0	.0	.0	.0	3.5	.0	4.7	.0	2.3	.0	3.5	
SW	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	14.0	
W	.0	.0	.0	.0	6.4	4.7	.0	.0	.0	.0	20.9	
NW	.0	.0	.0	.0	.6	.0	2.3	.0	.0	.0	8.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	0	8	4	5	0	1	1	24	43
TOT PCT	.0	.0	.0	.0	18.6	9.3	11.6	.0	2.3	2.3	55.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH > 4/8) AND VSBY (NM)

CEILING (FEET)	OR > 10	OR > 5	OR > 2	OR > 1	OR > 1/2	OR > 1/4	OR > 50YD	OR > 0
OR > 6500	.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
OR > 5000	.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1
OR > 3500	2.0	18.4	18.4	18.4	18.4	18.4	18.4	18.4
OR > 2000	8.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5
OR > 1000	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
OR > 600	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
OR > 300	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
OR > 150	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
OR > 0	16.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9
TOTAL	8	21	21	21	21	21	21	21

TOTAL NUMBER OF OBS: 49

PCT FREQ NH < 5/8: 57.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
30.5	8.5	1.7	1.7	5.1	3.4	11.9	11.9	23.4	59

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5		
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5		
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5		
2<5	PCP	.3	.5	.8	.0	.0	.5	.3	.3	.0	.0	2.5		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.3	.5	.8	.0	.0	.5	.3	.3	.0	.0	2.5		
5<10	PCP	3.5	.8	.5	.0	.5	3.5	5.3	3.0	.0	.0	17.2		
	NO PCP	6.3	4.5	3.0	1.8	8.6	7.6	9.1	11.1	.0	.0	52.0		
	TOT %	9.8	5.3	3.5	1.8	9.1	11.1	14.4	14.1	.0	.0	69.2		
10+	PCP	.0	.0	.0	.0	.0	.3	2.0	.3	.0	.0	2.5		
	NO PCP	2.0	.0	.5	.0	1.0	4.3	13.0	3.9	.0	.0	24.7		
	TOT %	2.0	.0	.5	.0	1.0	4.5	13.0	4.2	.0	.0	27.3		
TOT OBS														198
TOT PCT		12.1	5.8	5.3	1.8	10.1	16.2	29.7	19.1	.0	.0	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	
	TOT %	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.5	.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.3	.0	.0	.0	.0	.3	.3	.0	.0	1.0	1.0	
	11-21	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.5	.5	
	22+	.0	.3	.8	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
	TOT %	.3	.5	.8	.0	.0	.5	.3	.3	.0	.0	2.5	2.5	
5<10	0-3	.0	.0	.0	.0	.5	.5	.0	.0	.0	.0	1.0	1.0	
	4-10	3.5	1.8	1.3	1.5	3.3	1.5	1.5	.8	.0	.0	13.2	13.2	
	11-21	1.8	2.3	.5	.3	2.8	6.8	6.1	7.8	.0	.0	28.3	28.3	
	22+	4.5	1.3	1.8	.0	2.5	2.3	6.8	5.6	.0	.0	24.7	24.7	
	TOT %	9.8	5.3	3.5	1.8	9.1	11.1	14.4	14.1	.0	.0	69.2	69.2	
10+	0-3	.0	.0	.0	.0	.0	1.5	.5	.0	.0	.0	2.0	2.0	
	4-10	1.0	.0	.0	.0	.0	1.0	4.8	.3	.0	.0	7.1	7.1	
	11-21	1.0	.0	.0	.0	1.0	2.0	6.6	3.0	.0	.0	13.6	13.6	
	22+	.0	.0	.5	.0	.0	.0	3.2	.9	.0	.0	4.5	4.5	
	TOT %	2.0	.0	.5	.0	1.0	4.5	10.0	4.2	.0	.0	27.3	27.3	
TOT OBS														198
TOT PCT		12.1	5.8	5.3	1.8	10.1	16.2	29.7	19.1	.0	.0	100.0		

MAY

PERIOD: (PRIMARY) 1947-1949
(OVER-ALL) 1973-1969AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	9.1	.0	18.2	.0	.0	9.1	36.4	63.6	11
06009	.0	.0	.0	.0	9.1	9.1	9.1	.0	.0	.0	27.3	72.7	11
12015	.0	.0	.0	.0	13.3	20.0	6.7	.0	6.7	.0	46.7	53.3	15
18021	.0	.0	.0	.0	33.3	.0	25.0	.0	.0	.0	58.3	41.7	12
TOT	0	0	0	0	8	4	7	0	1	1	21	28	49
PCT	.0	.0	.0	.0	16.3	8.2	14.3	.0	2.0	2.0	42.9	57.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	78.0	22.0	59
06009	.0	.0	.0	4.7	76.7	18.6	43
12015	.0	.0	1.6	3.3	60.7	34.4	61
18021	.0	2.2	.0	2.2	63.0	32.6	46
TOT	0	1	1	5	145	57	209
PCT	.0	.5	.5	2.4	69.4	27.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	36.4	63.6	11
06009	.0	.0	.0	27.3	72.7	11
12015	.0	.0	.0	46.7	53.3	15
18021	.0	.0	.0	58.3	41.7	12
TOT	0	0	0	21	28	49
PCT	.0	.0	.0	42.9	57.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.7	.0	6.6	11.7	11.7	42	30.7
40/44	.0	.0	.0	.0	1.5	10.2	20.4	16.8	67	48.9
35/39	.0	.0	.0	.0	.0	2.2	6.6	6.6	21	15.3
30/34	.0	.0	.0	.0	.0	2.2	1.5	1.5	7	5.1
TOTAL	0	0	0	1	2	29	55	50	137	100.0
PCT	.0	.0	.0	.7	1.5	21.2	40.1	36.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
8.0	3.3	.0	.0	1.5	2.6	5.5	9.9	.0	.0	
4.4	2.2	1.1	.0	1.5	10.6	21.0	8.2	.0	.0	
1.8	.0	.7	.0	2.9	3.6	5.1	1.1	.0	.0	
.0	.0	.0	.0	3.6	1.1	.4	.0	.0	.0	
14.2	5.5	1.8	.0	9.5	17.9	31.9	19.2	.0	.0	

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	48	47	47	42	32	31	31	40.9	67
06009	48	47	47	40	32	32	32	40.3	47
12015	50	49	48	42	33	31	31	41.5	68
18021	49	48	48	42	33	32	32	41.8	49
TOT	50	49	48	42	32	31	31	41.1	231

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.4	.0	24.4	24.4	48.8	86	41
06009	.0	.0	.0	25.0	32.1	42.9	86	28
12015	.0	.0	.0	17.1	48.8	34.1	85	41
18021	.0	.0	6.5	16.1	51.6	25.8	84	31
TOT	0	1	2	29	95	54	85	141

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1923-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.4S 65.6W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	TOT	N FOG	WD FOG
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.0	1.5	.0	3	.0	1.5
6	.0	.0	.0	.0	1.0	.0	2	.0	1.0
5	.0	.0	.5	.0	3.0	.5	8	.5	3.5
4	.0	.0	.0	1.0	2.0	.0	6	.0	3.0
3	.0	.0	.5	1.5	2.0	.0	8	1.0	3.0
2	.0	.0	.5	3.0	2.5	.5	13	1.0	5.5
1	.0	.0	.0	5.0	2.0	.0	14	1.5	5.5
0	.0	.0	1.0	8.4	4.5	.5	29	5.0	9.4
-1	.0	1.5	4.0	4.0	2.0	.0	23	1.0	10.4
-2	.0	.0	4.5	4.5	1.5	.0	21	1.5	8.9
-3	.0	.0	1.5	4.0	.0	.0	11	1.0	4.5
-4	.0	1.0	3.5	3.0	.5	.0	16	1.0	6.9
-5	.0	1.0	2.0	1.5	.5	.0	10	.0	5.0
-6	.0	3.0	2.0	1.0	.5	.0	13	.5	5.9
-7/-8	1.0	4.5	1.5	.5	.5	.0	16	1.0	6.9
-9/-10	2.5	1.0	.0	.5	.0	.0	8	.5	3.5
TOTAL	7	24	43	76	48	4	202	31	171
PCT	3.5	11.9	21.3	37.6	23.8	2.0	100.0	15.3	84.7

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	TOT PCT	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	<1	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	1-2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	3-4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	5-6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	8-9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	10-11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	12	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	13-16	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	17-19	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	20-22	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	23-25	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	26-32	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	33-40	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	41-48	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	49-60	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	61-70	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	71-86	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	87+	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	TOT PCT	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

MAY

AREA 0017 TIERRA DEL FUEGO
54.45 65.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	100.0	.0	.0	100.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	1

PERIOD: (OVER-ALL) 1950-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	32.5	15.0	2.5	5.0	2.5	7.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	4
6-7	.0	.0	2.5	2.5	5.0	2.5	2.5	.0	.0	2.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	8	10
8-9	.0	.0	.0	.0	2.5	2.5	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	1	31
INDET	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
TOTAL	0	13	7	2	5	3	5	1	1	1	1	0	1	0	0	0	0	0	0	40	7
PCT	.0	32.5	17.5	5.0	12.5	7.5	12.5	2.5	2.5	2.5	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1924-1969
(OVER-ALL) 1922-1969AREA 0017 TIERRA DEL FUEGO
55.15 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	4.1	.0	.0	.0	.0	.0	.0	4.1	.0	.0	2.0	.0	.0	.0	93.9
NE	.0	.0	.0	.0	4.5	.0	9.1	13.6	.0	.0	.0	.0	.0	.0	86.4
E	17.4	.0	.0	.0	8.7	.0	.0	26.1	.0	.0	.0	.0	.0	.0	73.9
SE	32.6	9.3	.0	.0	9.3	.0	.0	46.5	.0	.0	18.6	.0	.0	.0	34.9
S	7.1	7.1	.0	.0	14.3	.0	.0	21.4	.0	.0	.0	.0	.0	.0	78.6
SW	2.6	5.1	2.6	.0	25.6	.0	.0	35.9	.0	.0	15.4	.0	.0	.0	48.7
W	7.4	3.7	14.8	.0	7.4	.0	.0	33.3	.0	.0	18.5	.0	.0	.0	48.1
NW	1.9	.0	13.0	.0	.0	.0	.0	14.8	.0	.0	14.8	.0	.0	.0	70.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	6.6	2.5	4.9	.0	7.4	.0	.8	21.3	.0	.0	9.8	.0	.0	.0	68.9
TOT OBS:	122														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
0000	2.9	5.7	5.7	.0	.0	.0	.0	14.3	.0	.0	8.6	.0	.0	.0	77.1
0600	8.3	4.2	8.3	.0	4.2	.0	.0	25.0	.0	.0	4.2	.0	.0	.0	70.8
1200	7.7	.0	7.6	.0	15.4	.0	2.6	25.6	.0	.0	15.4	.0	.0	.0	59.0
1800	6.7	3.3	3.3	.0	6.7	.0	.0	20.0	.0	.0	6.7	.0	.0	.0	73.3
TOT PCT	6.3	3.1	4.7	.0	7.0	.0	.8	21.1	.0	.0	9.4	.0	.0	.0	69.5
TOT OBS:	128														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.8	6.4	8.0	3.8	.8	.0	19.7	15.7	31.6	28.6	28.6	16.7	22.8	7.9	15.9	11.9	
NE	.0	3.0	5.9	.0	.0	.0	8.5	12.7	13.2	3.6	14.3	11.1	4.3	7.9	2.3	11.9	
E	.8	1.5	2.8	.0	.0	.0	5.1	9.9	5.3	14.3	.0	5.6	.0	7.9	6.8	2.4	
SE	.4	3.0	3.4	2.3	.0	.0	9.1	14.3	13.2	7.1	3.6	8.3	10.9	13.2	11.4	2.4	
S	.4	1.1	3.2	1.1	.4	.0	6.3	16.3	.0	7.1	10.7	8.3	6.5	2.6	9.1	9.5	
SW	.4	3.0	8.0	3.4	1.1	.0	15.9	18.0	5.3	.0	28.6	8.3	19.6	15.8	36.4	23.8	
W	1.1	2.3	5.3	2.8	.8	.0	12.3	16.3	10.5	14.3	14.3	15.3	6.5	18.4	9.1	11.9	
NW	.0	6.1	10.8	4.0	.0	.0	20.8	14.4	21.1	25.0	.0	26.4	20.7	21.1	9.1	26.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.3	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	8.7	5.3	.0	.0	
TOT OBS	8	35	62	23	4	0	132	14.9	19	14	7	18	23	19	11	21	
TOT PCT	6.1	26.5	47.0	17.4	3.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.7	8.0	7.2	1.1	.8	19.7	15.7	30.3	20.0	16.1	13.3
NE	.0	6.4	2.1	.0	.0	8.5	12.7	9.1	12.0	6.0	8.6
E	2.3	2.1	.8	.0	.0	5.1	9.9	9.1	4.0	3.6	3.9
SE	1.9	3.0	4.2	.0	.0	9.1	14.3	10.6	7.0	11.9	5.5
S	1.1	1.7	2.7	.8	.0	6.3	16.3	3.0	9.0	4.8	9.4
SW	1.1	6.1	5.3	3.4	.0	15.9	18.0	3.0	14.0	17.9	28.1
W	1.1	6.1	3.6	1.5	.0	12.3	16.3	12.1	15.0	11.9	10.9
NW	1.9	12.1	6.1	.8	.0	20.8	14.4	22.7	19.0	20.8	20.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3	.0	.0	.0	.0	2.3	.0	.0	.0	7.1	.0
TOT OBS	19	60	42	10	1	132	14.9	33	25	42	32
TOT PCT	14.4	45.5	31.8	7.6	.8	100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1924-1949
(OVER-ALL) 1922-1969AREA 0017 TIERRA DEL FUEGO
55.15 65.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	30.3	57.6	9.1	3.0	.0	14.3	100.0	33
06009	.0	8.0	32.0	36.0	24.0	.0	.0	14.5	100.0	25
12015	7.1	4.8	21.4	38.1	23.8	4.8	.0	15.9	100.0	42
18021	.0	3.1	25.0	56.3	12.5	3.1	.0	14.5	100.0	22
TOT	3	5	35	62	23	4	0	14.9		122
PCT	2.3	3.8	26.5	47.0	17.4	3.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	10.0	30.0		7.5
NE	.0	.0	.0	.0		.0
E	.0	.0	7.5	.0		5.0
SE	10.0	.0	2.5	.0		2.6
S	.0	.0	.0	.0		.0
SW	10.0	.0	10.0	15.0		5.1
W	.0	.0	.0	5.0		8.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	2	0	3	5	10	5.9
TOT PCT	20.0	.0	30.0	50.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	30.0	10.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0
SE	10.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	10.0	.0	.0	10.0	15.0	.0	.0	.0	.0	.0	10.0	.0
W	.0	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	0	3	5	3	0	0	0	0	0	2	10
TOT PCT	20.0	.0	30.0	50.0	30.0	.0	.0	.0	.0	.0	20.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >1000	18.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3
= OR >600	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
= OR >300	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
= OR >150	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
= OR >0	36.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
TOTAL	4	8	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 11

PCT FREQ NH <5/8: 27.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
.0	9.1	9.1	.0	9.1	18.2	18.2	.0	36.4	.0	11

JUNE

PERIOD: (PRIMARY) 1924-1969
(OVER-ALL) 1922-1969AREA 0017 TIERRA DEL FUEGO
55.15 65.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.4	1.2	.0	.0	.0	.0	1.4	
	NO PCP	.0	.0	.0	.0	.0	1.2	.4	.8	.0	.0	2.4	
	TOT %	.0	.0	.0	.0	.4	2.4	.4	.8	.0	.0	4.1	
1<2	PCP	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
2<5	PCP	.0	.0	.0	.0	.0	1.2	.4	.8	.0	.0	2.4	
	NO PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.8	.0	.0	.0	.0	1.2	.4	.8	.0	.0	3.3	
5<10	PCP	.8	1.2	1.2	3.3	.4	1.6	2.0	1.6	.0	.0	12.2	
	NO PCP	16.7	6.1	2.8	3.7	4.1	7.3	6.1	17.5	.0	2.4	66.7	
	TOT %	17.5	7.3	4.1	6.4	4.5	8.9	8.1	19.1	.0	2.4	78.9	
10+	PCP	.0	.0	.0	.0	.0	2.0	1.2	.0	.0	.0	3.3	
	NO PCP	1.6	1.6	.6	1.0	.4	1.6	.8	.4	.0	.0	8.1	
	TOT %	1.6	1.6	.6	1.0	.4	3.7	2.0	.4	.0	.0	11.4	
TOT OBS													
TOT PCT													
		19.9	8.9	4.7	8.7	6.1	16.3	11.0	22.0	.0	2.4	100.0	123

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	2.0	.4	.8	.0	.0	3.3	
	22+	.0	.0	.0	.0	.4	.4	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.0	.0	.4	2.4	.4	.8	.0	.0	4.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.8	.0	.0	.8	.0	.0	2.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	22+	.0	.0	.0	.0	.0	1.2	.4	.0	.0	.0	1.6	
	TOT %	.8	.0	.0	.0	.0	1.2	.4	.8	.0	.0	3.3	
5<10	0-3	.0	.0	.0	.4	.4	.0	.0	.0	.0	2.4	3.3	
	4-10	3.3	2.4	1.6	2.4	1.2	2.4	2.0	6.1	.0	.0	23.6	
	11-21	7.3	4.9	2.4	2.4	2.0	3.3	3.3	8.9	.0	.0	36.6	
	22+	4.9	.0	.0	1.6	.8	1.2	2.8	4.1	.0	.0	15.4	
	TOT %	17.5	7.3	4.1	6.9	4.5	8.9	8.1	19.1	.0	2.4	78.9	
10+	0-3	.8	.0	.0	.0	.0	.4	.4	.0	.0	.0	1.6	
	4-10	.8	.8	.0	.8	.0	.8	.4	.4	.0	.0	4.1	
	11-21	.0	.8	.6	.2	.0	.4	1.2	.0	.0	.0	3.3	
	22+	.0	.0	.0	.0	.4	2.0	.0	.0	.0	.0	2.4	
	TOT %	1.6	1.6	.6	1.0	.4	3.7	2.0	.4	.0	.0	11.4	
TOT OBS													
TOT PCT													
		19.9	8.9	4.7	8.7	6.1	16.3	11.0	22.0	.0	2.4	100.0	123

JUNE

PERIOD: (PRIMARY) 1924-1969
(OVER-ALL) 1922-1969AREA 0017 TIERRA DEL FUEGO
35.15 65.34

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	2
06009	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7	33.3	3
12015	.0	.0	.0	50.0	50.0	.0	.0	.0	.0	.0	100.0	.0	2
18021	.0	.0	.0	75.0	.0	.0	.0	.0	.0	.0	75.0	25.0	4
TOT	0	0	0	5	3	0	0	0	0	0	8	3	11
PCT	.0	.0	.0	45.5	27.3	.0	.0	.0	.0	.0	72.7	27.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	.0	.0	.0	2.9	88.6	8.6	35
06009	.0	4.2	.0	.0	87.5	8.3	24
12015	.0	5.1	5.1	7.7	79.5	2.6	39
18021	.0	6.5	3.2	.0	61.3	29.0	31
TOT	0	5	3	4	102	15	129
PCT	.0	3.9	2.3	3.1	79.1	11.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	50.0	50.0	2
06009	.0	.0	33.3	33.3	33.3	3
12015	.0	.0	50.0	50.0	.0	2
18021	.0	.0	75.0	.0	25.0	4
TOT	0	0	5	3	3	11
PCT	.0	.0	45.5	27.3	27.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.9	.0	1.8	.9	.0	4	3.7
40/44	.0	.0	.0	.0	.9	9.2	17.4	22.0	54	49.5
35/39	.0	.0	.0	.0	3.7	6.4	6.4	12.8	32	29.4
30/34	.0	.0	.0	.0	.9	2.8	6.4	6.4	18	16.5
25/29	.0	.0	.0	.0	.0	.0	.0	.9	1	.9
TOTAL	0	0	0	1	6	22	34	46	109	100.0
PCT	.0	.0	.0	.9	5.5	20.2	31.2	42.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	.0	.0	.0	.0	.0	.0	1.8	1.4	.0	.0
40/44	14.2	2.8	.0	.9	.0	7.3	8.9	15.4	.0	.0
35/39	.0	3.7	5.5	5.7	3.9	5.5	1.8	2.3	.0	.9
30/34	.0	.9	.7	2.1	2.8	4.6	1.8	3.7	.0	.0
25/29	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0
TOTAL	14.7	7.3	6.2	8.7	6.7	18.3	14.4	22.7	.0	.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	45	44	44	39	33	33	33	38.7	36
06009	45	44	44	40	34	33	33	39.2	28
12015	48	47	44	39	33	29	29	38.8	42
18021	43	42	42	39	31	31	31	38.5	33
TOT	46	45	44	39	33	31	29	38.8	139

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	6.7	23.3	36.7	33.3	83	30
06009	.0	.0	9.1	9.1	36.4	45.5	85	22
12015	.0	2.8	.0	19.4	27.8	50.0	86	36
18021	.0	.0	11.1	22.2	22.2	44.4	86	27
TOT	0	1	7	22	35	50	85	115

JUNE

PERIOD: (PRIMARY) 1924-1969
(OVER-ALL) 1922-1969

TABLE 17

AREA 0017 TIERRA DEL FUEGO
55.1S 65.3WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	TOT	H FDG	W FDG
5	.0	.0	.9	.0	.0	1	.0	.9
4	.0	.0	.0	.9	1.7	3	.0	2.6
3	.0	.0	.0	3.4	.0	4	.0	3.4
2	.0	.0	.0	2.6	.9	4	.0	3.4
1	.0	.0	.0	6.9	.0	8	.9	6.0
0	.0	.9	1.7	3.4	.0	7	2.6	3.4
-1	.0	1.7	6.0	5.2	.9	16	1.7	12.1
-2	.0	.9	3.4	6.9	.0	13	.9	10.3
-3	.0	.0	3.4	1.7	.0	6	.0	5.2
-4	.9	2.6	2.6	.9	.0	8	.0	6.9
-5	.0	2.6	2.6	.0	.0	6	1.7	3.4
-6	.0	5.2	6.0	.0	.0	13	.0	11.2
-7/-8	2.6	9.5	2.6	.0	.0	17	.0	14.7
-9/-10	.0	6.0	.0	.0	.0	7	.0	6.0
-11/-13	.0	1.7	.0	.0	.0	2	.0	1.7
-17/-19	.9	.0	.0	.0	.0	1	.0	.9
TOTAL	5	36	34	37	4	116	9	107
PCT	4.3	31.0	29.3	31.9	3.4	100.0	7.8	92.2

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0
3-4	.0	.0	37.5	.0	.0	.0	37.5	.0	.0	12.5	.0	.0	.0	12.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	37.5	.0	.0	.0	37.5	.0	50.0	12.5	.0	.0	.0	62.5

PERIOD: (OVER-ALL) 1953-1969

JUNE

AREA 0017 TIERRA DEL FUEGO
55.15 65.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	33.3	.0	.0	.0	.0	.0	33.3	3
1-2	.0	33.3	.0	.0	.0	.0	33.3	
3-4	.0	.0	33.3	.0	.0	.0	33.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	33.3	33.3	33.3	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1951-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
6-7	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
8-9	.0	.0	.0	.0	10.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	11
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	1	31
INDFT	10.0	.0	10.0	.0	10.0	.0	10.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
TOTAL	1	0	1	0	2	1	1	1	0	1	0	0	1	0	0	0	0	0	0	10	10
PCT	10.0	.0	10.0	.0	20.0	20.0	10.0	10.0	.0	10.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1921-1969

TABLE 1

AREA 0017 TIERRA DEL FUEGO
55.15 65.24

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD WD PCPN	FGD WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	14.5	1.7	5.1	.0	3.4	.0	.0	24.8	.0	3.4	3.4	.0	.0	.0	68.4
NE	22.4	13.2	2.6	.0	18.4	.0	.0	56.6	7.9	.0	5.3	.0	.0	.0	30.3
E	9.1	.0	.0	.0	9.1	.0	.0	18.2	9.1	.0	18.2	.0	.0	.0	54.5
SE	.0	.0	.0	12.5	87.5	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
S	3.3	.0	.0	3.3	41.7	.0	16.7	65.0	6.7	.0	6.7	.0	.0	.0	21.7
SW	5.4	14.4	.0	.0	14.4	.0	9.0	43.2	15.3	.0	3.6	.0	.0	.0	37.8
W	8.6	8.6	4.3	.0	11.2	.0	.0	30.5	1.6	.0	9.6	.0	.0	.0	58.3
NW	4.7	4.7	.0	.0	2.3	.0	.0	11.7	.0	.0	15.2	.0	.0	.0	73.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	8.9	6.8	2.1	.5	13.0	.0	2.6	33.3	4.2	.5	8.3	.0	.0	.0	53.6
TOT OBS:	192														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	11.5	6.6	3.3	1.6	8.2	.0	3.3	32.8	4.9	.0	13.1	.0	.0	.0	49.2
06009	5.7	2.9	2.9	.0	20.0	.0	.0	31.4	.0	.0	5.7	.0	.0	.0	62.9
12015	7.4	5.6	.0	.0	13.0	.0	1.9	27.8	5.6	1.9	7.4	.0	.0	.0	57.4
18021	8.7	10.9	4.3	.0	13.0	.0	4.3	41.3	4.3	.0	4.3	.0	.0	.0	50.0
TOT PCT TOT OBS:	8.7 196	6.6	2.6	.5	12.8	.0	2.6	33.2	4.1	.5	8.2	.0	.0	.0	54.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	6.2	4.0	3.6	.4	.0		14.6	15.4	9.3	16.7	.0	17.7	21.6	12.1	20.8	11.7	
NE	.9	2.8	1.8	2.8	.6	.0		9.0	16.6	6.4	10.0	27.2	6.5	5.2	12.1	6.9	10.0	
E	.0	.9	.9	.7	.0	.0		2.6	15.4	2.9	8.3	5.6	1.6	1.7	1.7	.0	.0	
SE	.0	.5	2.1	.0	.0	.0		2.6	13.6	2.9	1.7	.0	3.2	1.7	5.2	.0	3.3	
S	.0	1.9	2.3	3.3	.8	.0		8.2	20.7	8.6	3.3	13.9	6.5	8.6	9.7	11.7		
SW	.0	.9	4.1	6.2	.2	2.1		13.6	25.1	21.4	11.7	8.3	16.1	6.0	10.3	18.1	13.3	
W	.0	1.5	11.0	7.3	4.1	1.7		25.7	24.4	22.9	26.7	22.2	25.8	30.2	25.9	29.2	22.5	
NW	.0	3.7	9.2	6.9	2.8	.0		22.6	21.5	22.9	21.7	11.1	22.6	25.0	24.1	15.3	27.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.9	.0	.0	.0	.0	.0		.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	9	39	75	65	19	8	211		20.8	2.9	10	11.1	.0	.0	.0	.0	.0	
TOT PCT	2.4	18.5	35.5	30.8	9.0	3.8		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00	06	12	18
									03	09	15	21
N	1.4	7.7	2.7	2.7	.0		14.6	15.4	12.7	13.8	16.8	15.1
NE	1.4	3.3	2.7	1.5	.0		9.0	16.6	8.1	11.3	8.6	6.9
E	.5	.9	1.2	.0	.0		2.6	15.4	5.4	2.5	1.7	.0
SE	.0	1.9	.7	.0	.0		2.6	13.6	2.3	2.5	3.4	2.1
S	.5	1.9	3.9	2.0	.0		8.3	20.7	6.2	8.1	8.6	10.9
SW	.9	2.1	6.5	1.9	2.1		13.6	25.1	16.9	14.4	8.2	15.1
W	.9	6.5	9.8	4.9	3.6		25.7	24.4	24.6	25.0	28.0	25.0
NW	1.4	5.5	8.4	5.5	1.9		22.6	21.5	22.3	20.0	24.6	23.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	1.5	2.5	.0	.0
TOT OBS	17	63	76	39	16	211		20.8	65	40	58	48
TOT PCT	8.1	29.9	36.0	18.5	7.6		100.0		100.0	100.0	100.0	100.0

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TABLE 4

AREA 0017 TIERRA DEL FUEGO
55.15 65.2W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.5	.0	20.0	38.5	26.2	9.2	4.6	20.6	100.0	65
06009	2.5	2.5	12.5	20.0	50.0	12.5	.0	22.5	100.0	40
12015	.0	1.7	25.9	32.8	31.0	5.2	3.4	19.8	100.0	58
18021	.0	2.1	12.5	47.9	20.8	10.4	6.3	21.0	100.0	48
TOT	2	3	39	75	65	19	8	20.8		211
PCT	.9	1.4	18.5	35.5	30.8	9.0	3.8	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	3.1	8.0		7.7
NE	1.8	.0	.0	11.6		6.9
E	.0	.0	.0	4.5		8.0
SE	.0	.0	.0	.0		7.8
S	.0	.0	1.3	6.7		5.0
SW	5.4	.4	8.0	4.0		5.5
W	6.3	1.3	7.6	11.6		7.3
NW	.9	.0	3.1	12.9		4.0
VAR	.0	.0	.0	.0		6.4
CALM	.0	1.8	.0	.0	56	
TOT OBS	8	2	13	33		
TOT PCT	14.3	3.6	23.2	58.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	3.1	2.7	.0	.0	3.6	.0	1.8	
NE	.0	.0	.0	.0	8.9	2.7	.0	.0	.0	.0	1.8	
E	.0	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	6.3	1.8	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	2.7	1.8	1.5	.0	.0	.0	11.6	
W	.0	.0	.0	.0	2.7	6.7	.0	.0	.0	.0	17.4	
NW	.0	.0	.0	1.8	5.8	2.2	1.8	.0	.0	1.8	3.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
TOT OBS	0	0	0	1	19	10	2	0	2	1	21	56
TOT PCT	.0	.0	.0	1.8	33.9	17.9	3.6	.0	3.6	1.8	37.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
>5000	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
>3500	7.0	7.0	8.8	8.8	8.8	8.8	8.8	8.8
>2000	17.5	24.6	28.1	28.1	28.1	28.1	28.1	28.1
>1000	22.8	45.6	59.6	59.6	61.4	61.4	61.4	61.4
>600	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
>300	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
>150	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
>0	24.6	47.4	61.4	61.4	63.2	63.2	63.2	63.2
TOTAL	14	27	35	35	36	36	36	36

TOTAL NUMBER OF OBS: 57

PCT FREQ NH <5/8: 36.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
8.8	3.5	10.5	7.0	7.0	7.0	14.0	5.3	36.8	.0	57

PERIOD: (PRIMARY) 1927-1969
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AREA 0017 TIERRA DEL FUEGO
55.1S 65.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
1/2<1	PCP	.0	.3	.3	.0	.5	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.5	.0	.0	.0	.0	.3	.3	.0	.0	1.0	
	TOT %	.0	.8	.3	.0	.5	.0	.3	.3	.0	.0	2.1	
1<2	PCP	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	1.0	
	TOT %	1.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	2.1	
2<5	PCP	.0	1.0	.0	.0	1.2	1.0	1.7	.8	.0	.0	5.7	
	NO PCP	.0	.5	.0	.0	.5	.5	.5	.0	.0	.0	2.1	
	TOT %	.0	1.5	.0	.0	1.7	1.5	2.2	.8	.0	.0	7.7	
5<10	PCP	2.4	3.5	.3	2.1	3.6	5.4	6.2	1.8	.0	.0	25.3	
	NO PCP	5.9	2.1	2.3	.0	.8	3.7	8.9	9.8	.0	.0	32.4	
	TOT %	8.4	5.5	2.6	2.1	4.4	9.1	15.1	11.6	.0	.0	57.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	5.4	1.2	.0	.0	1.4	3.9	6.6	8.9	.0	1.0	28.4	
	TOT %	5.4	1.2	.0	.0	1.4	3.9	6.6	8.9	.0	1.0	28.4	
TOT OBS													194
TOT PCT		15.1	9.8	2.8	2.1	8.0	14.6	24.6	22.0	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	.3	.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.8	.3	.0	.0	.0	.0	.0	.0	.0	1.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.5	.0	.3	.3	.0	.0	1.0	
	TOT %	.0	.8	.3	.0	.5	.0	.3	.3	.0	.0	2.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	11-21	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	1.0	
	22+	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
	TOT %	1.5	.0	.0	.0	.0	.0	.5	.5	.0	.0	2.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.8	.0	.3	.3	.0	.0	1.5	
	11-21	.0	.0	.0	.0	.5	.5	.3	.3	.0	.0	1.5	
	22+	.3	1.5	.0	.0	1.4	1.3	1.9	.8	.0	.0	7.0	
	TOT %	.3	1.5	.0	.3	2.6	1.8	2.4	1.3	.0	.0	10.0	
5<10	0-3	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	4-10	3.3	2.3	.8	.3	.3	.0	.5	1.3	.0	.0	8.5	
	11-21	2.1	1.9	1.0	1.8	1.5	2.8	7.5	4.0	.0	.0	22.5	
	22+	2.3	.8	.8	.0	2.5	6.1	6.6	6.0	.0	.0	25.0	
	TOT %	8.1	5.4	2.5	2.0	4.3	8.9	14.6	11.3	.0	.0	47.0	
10+	0-3	.0	.5	.0	.0	.0	.0	.0	.0	.0	1.0	1.5	
	4-10	2.3	.0	.0	.0	1.0	1.0	.9	2.4	.0	.0	7.5	
	11-21	2.1	.0	.0	.0	.4	1.1	2.9	4.5	.0	.0	11.0	
	22+	.9	.6	.0	.0	.0	1.6	2.6	1.8	.0	.0	7.5	
	TOT %	5.3	1.1	.0	.0	1.4	3.8	6.4	8.6	.0	1.0	27.5	
TOT OBS													200
TOT PCT		15.4	9.5	2.8	2.3	8.8	14.4	24.1	21.9	.0	1.0	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	12.5	25.0	.0	.0	.0	.0	37.5	62.5	16
06009	.0	.0	.0	.0	44.4	11.1	11.1	.0	.0	.0	66.7	33.3	9
12015	.0	.0	.0	.0	31.3	25.0	.0	.0	6.3	6.3	68.8	31.3	16
18021	.0	.0	.0	6.3	50.0	12.5	6.3	.0	6.3	.0	81.3	18.8	16
TOT	0	0	0	1	19	11	2	0	2	1	36	21	57
PCT	.0	.0	.0	1.8	33.3	19.3	3.5	.0	3.5	1.8	63.2	36.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.6	1.6	3.2	7.9	60.3	25.4	63
06009	.0	2.6	.0	13.2	65.8	18.4	38
12015	1.8	1.8	1.8	5.5	56.4	32.7	55
18021	.0	2.1	4.2	14.6	45.8	33.3	48
TOT	2	4	5	20	116	57	204
PCT	1.0	2.0	2.5	9.8	56.9	27.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	18.8	25.0	56.3	16
06009	.0	.0	33.3	44.4	22.2	9
12015	.0	.0	12.5	62.5	25.0	16
18021	.0	6.3	43.8	50.0	6.3	16
TOT	0	1	15	26	16	57
PCT	.0	1.8	26.3	45.6	28.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	.0	.0	3.4	1.4	7	4.7
40/44	.0	.0	.0	.0	2.0	10.8	16.9	18.9	72	48.6
35/39	.0	.0	.0	.7	2.0	8.1	17.6	8.1	54	36.5
30/34	.0	.0	.0	.0	.0	4.1	2.7	1.4	12	8.1
25/29	.0	.0	.0	.0	.0	.0	.0	2.0	3	2.0
TOTAL	0	0	0	1	6	34	60	47	148	100.0
PCT	.0	.0	.0	.7	4.1	23.0	40.5	31.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	2.2	2.5	.0	.0
10.3	3.0	.7	.0	.0	3.2	17.7	13.7	.0	.0	.0
5.4	7.8	1.4	.0	1.5	8.3	6.6	4.2	.0	1.4	.0
.0	.0	.0	.0	3.5	2.9	1.7	.0	.0	.0	.0
.0	.0	.0	.0	1.4	.7	.0	.0	.0	.0	.0
15.7	10.8	2.0	.0	6.4	15.0	28.2	20.4	.0	1.4	

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	47	46	46	39	31	25	25	39.1	65
06009	44	43	43	40	30	26	26	38.7	38
12015	45	44	44	39	28	26	26	39.0	57
18021	50	49	45	40	29	25	25	39.7	48
TOT	50	46	45	40	30	25	25	39.2	208

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	3.8	32.7	40.4	23.1	83	32
06009	.0	.0	7.4	11.1	37.0	44.4	85	27
12015	.0	2.4	2.4	14.6	46.3	34.1	85	41
18021	.0	.0	6.3	28.1	31.3	34.4	84	32
TOT	0	1	7	35	60	49	84	152

JULY

PERIOD: (PRIMARY) 1927-1969
(OVER-ALL) 1921-1969AREA 0017 TIERRA DEL FUEGO
55.1S 65.2W

TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	49 52	TOT	W FOG	WD FOG
6	.0	.0	.0	.0	.5	.0	.5	2	.0	1.0
4	.0	.0	.0	.0	.5	.5	.0	2	.0	1.0
3	.0	.0	.0	1.0	.5	.0	.0	3	.0	1.5
2	.0	.0	.0	.0	3.0	3.0	.0	12	.5	5.6
1	.0	.0	.0	.5	6.1	.5	.0	14	1.0	6.1
0	.0	.0	.5	4.6	4.1	2.5	.0	23	1.5	10.2
-1	.0	.0	.0	6.1	8.6	.5	.0	30	2.0	13.2
-2	.0	.0	.5	7.1	5.1	.0	.0	25	1.0	11.7
-3	.0	.5	.5	8.1	2.0	.0	.0	22	1.0	10.2
-4	.0	.0	2.0	5.6	1.5	.0	.0	18	.0	9.1
-5	.0	.0	1.0	5.6	.0	.0	.0	13	.0	6.6
-6	.5	.0	3.0	1.5	.0	.0	.0	10	.5	4.6
-7/-8	.0	2.0	2.5	1.5	.0	.0	.0	12	.0	6.1
-9/-10	1.5	1.0	.5	.0	.0	.0	.0	6	.0	3.0
-11/-13	1.0	1.0	.0	.0	.0	.0	.0	4	.5	1.5
-14/-16	.5	.0	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	7		21		63		1	197	16	181
PCT	3.6	4.6	10.7	41.6	32.0	7.1	.5	100.0	8.1	91.9

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.4	3.4	.0	.0	.0	6.9	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	3.4	.0	.0	3.4	.0	.0	.0	3.4	.0	.0	3.4
7	.0	.0	2.6	.0	2.6	.0	5.2	.0	.0	.0	.0	4.3	.0	11.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	3.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	6.0	3.4	2.6	.0	15.5	.0	.0	.0	13.8	4.3	.0	18.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

AREA 0017 TIERRA DEL FUEGO
55.15 65.2W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

	S							SW						
MGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	3.4	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	3.4	6.0	.0	9.5	.0	.0	.0	.0	.9	.0	.9
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.8	13.8
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	6.9	6.0	.0	12.9	.0	.0	.0	.0	.9	15.5	16.4

NW								NW								TOTAL
MGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	2.6	.0	.0	.0	2.6	.0	.0	4.3	.0	.0	.0	.0	4.3	
3-4	.0	2.6	.0	.0	.0	.0	2.6	.0	.9	.0	.0	.0	.0	.0	.9	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	6.0	.0	.0	6.0	.0	.0	.9	.9	3.4	.0	5.2	.0	
8-9	.0	.0	.0	9.5	.0	.0	9.5	.0	.0	.0	.9	.0	.0	.9	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	5.2	5.2	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.6	2.6	15.5	.0	5.2	25.9	.0	.9	5.2	1.7	3.4	.0	11.2	100.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	3.4	10.3	.0	.0	.0	13.8	
3-4	.0	3.4	.0	.0	.0	.0	3.4	
5-6	.0	.0	.0	6.9	.0	.0	6.9	
7	.0	.0	3.4	13.8	10.3	.0	27.6	
8-9	.0	.0	.0	10.3	.0	.0	10.3	
10-11	.0	.0	.0	6.9	.0	.0	6.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	3.4	6.9	.0	10.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	6.9	6.9	
33-40	.0	.0	.0	.0	.0	13.8	13.8	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	6.9	13.8	41.4	17.2	20.7	100.0	29

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

[illegible]

AUGUST

PERIOD: (PRIMARY) 1928-1969
(OVER-ALL) 1924-1969AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WQ PCPN	FGG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	3.5	.0	.0	.0	3.5	.0	.0	7.0	.0	.0	40.9	.0	.0	.0	52.2
NE	8.0	.0	.0	.0	8.0	.0	.0	16.0	.0	.0	34.0	.0	.0	.0	50.0
E	20.0	.0	20.0	.0	.0	.0	.0	40.0	.0	.0	20.0	.0	.0	.0	40.0
SE	21.4	.0	.0	.0	.0	.0	.0	21.4	.0	.0	42.9	.0	.0	.0	35.7
S	2.2	4.5	.0	.0	4.5	4.5	.0	15.7	6.7	.0	9.0	.0	.0	.0	68.5
SW	12.3	7.4	.0	.0	7.4	4.9	.0	32.1	22.2	.0	.0	.0	.0	.0	45.7
W	5.5	12.7	.0	.0	12.7	1.8	.0	29.1	.0	.0	.0	.0	.0	.0	70.9
NW	.0	.0	.0	.0	.0	3.2	.0	3.2	.0	.0	12.7	.0	6.3	.0	77.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	6.4	4.3	.7	.0	5.7	2.1	.0	18.6	4.3	.0	17.1	.0	.7	.0	59.3
TOT OBS:	140														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WQ PCPN	FGG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	9.8	4.9	2.4	.0	.0	2.4	.0	19.5	4.9	.0	14.6	.0	.0	.0	61.0
06009	.0	5.9	.0	.0	11.8	.0	.0	14.7	2.9	.0	14.7	.0	.0	.0	67.6
12015	5.4	5.4	.0	.0	5.4	5.4	.0	21.6	.0	.0	21.6	.0	.0	.0	56.8
18021	10.3	.0	.0	.0	6.9	.0	.0	17.2	10.3	.0	17.2	.0	3.4	.0	51.7
TOT PCT	6.4	4.3	.7	.0	5.7	2.1	.0	18.4	4.3	.0	17.0	.0	.7	.0	59.6
TOT OBS:	141														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.2	3.3	12.0	1.0	.0	.0	19.5	12.9	15.0	27.8	13.3	28.6	4.8	36.1	.0	26.3	
NE	.2	1.7	5.2	1.3	.0	.0	8.3	15.4	9.0	2.8	1.7	2.4	16.7	13.9	7.7	10.5	
E	.0	.3	1.0	2.3	.0	.0	3.7	22.4	10.0	5.6	6.7	2.4	.0	.0	.0	.0	
SE	.0	2.2	1.5	4.0	.0	.0	7.7	21.0	4.0	13.9	1.7	7.1	9.5	13.9	1.9	7.9	
S	.0	.5	5.2	7.2	3.7	.3	16.8	26.7	16.0	16.7	15.0	19.0	13.1	11.1	32.7	15.8	
SW	.0	.7	4.5	5.2	3.0	.3	13.7	26.2	18.0	5.6	30.0	9.5	16.7	2.8	26.9	5.3	
W	.0	2.7	10.2	6.0	.0	.0	18.8	18.0	18.0	16.7	10.0	23.8	27.4	11.1	19.2	21.1	
NW	.0	2.7	6.5	1.7	.0	.0	10.8	16.1	10.0	11.1	13.0	7.1	9.5	11.1	11.5	13.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7						.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	
TOT OBS	3	24	69	43	10	1	150	19.4	25	18	15	21	21	18	13	19	
TOT PCT	2.0	16.0	46.0	28.7	6.7	.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	06	12	18
N	2.5	11.5	5.2	.3	.0	19.5	12.9	20.3	22.2	19.2	15.6
NE	.5	3.5	4.3	.0	.0	8.3	15.4	6.4	2.1	15.4	9.4
E	.0	1.0	1.0	1.7	.0	3.7	22.4	8.1	4.2	1.3	.0
SE	.0	3.0	1.0	3.7	.0	7.7	21.0	8.1	4.9	11.5	5.5
S	.0	4.3	3.3	7.5	1.7	16.8	26.7	16.3	17.4	12.2	22.7
SW	.0	2.7	4.2	5.8	1.0	13.7	26.2	12.8	18.1	10.3	14.1
W	.0	8.3	8.2	2.3	.0	18.8	18.0	17.4	18.1	19.9	20.3
NW	.3	4.3	5.5	.7	.0	10.8	16.1	10.5	10.4	10.3	12.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7					.7	.0	.0	2.8	.0	.0
TOT OBS	6	38	49	33	4	150	19.4	43	36	39	32
TOT PCT	4.0	38.7	32.7	22.0	2.7	100.0		100.0	100.0	100.0	100.0

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55.23 65.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	2.3	18.6	48.8	23.3	7.0	.0	18.4	100.0	43
06009	2.8	2.8	16.7	41.7	27.8	5.6	2.8	19.1	100.0	36
12015	.0	.0	12.8	46.2	35.9	5.1	.0	20.6	100.0	39
18021	.0	.0	15.6	46.9	28.1	9.4	.0	19.9	100.0	32
TOT	1	2	24	69	43	10	1	19.4		150
PCT	.7	1.3	16.0	46.0	28.7	6.7	.7	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.8	.0	1.4	2.7		5.6
NE	.0	1.8	.0	4.9		6.5
E	.0	.0	.0	5.9		8.0
SE	.0	.0	1.4	2.7		7.6
S	.9	3.6	10.0	14.1		6.6
SW	.9	3.6	11.8	12.7		6.5
W	1.8	.0	1.8	8.6		6.8
NW	1.8	1.8	2.3	.0		3.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	1.8	.0		6.0
TOT OBS	4	6	17	28	55	6.5
TOT PCT	7.3	10.9	30.9	50.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

WIND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	1.4	.0	.0	.0	2.7	.0	.0	.0	.0	.0	1.8	
NE	2.3	.0	.0	.0	.5	1.8	.0	.0	.0	.0	1.8	
E	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	1.8	
SE	.0	.0	.0	.0	2.7	1.8	.0	.0	.0	.0	.0	
S	.0	.0	.0	.9	18.6	1.8	.0	.0	.0	.0	7.3	
SW	.0	.0	.0	.9	19.1	3.6	.0	.0	.0	.0	5.5	
W	.0	.0	.0	1.8	5.9	.9	.0	.0	.0	.0	3.6	
NW	.0	.0	.0	.0	1.4	.9	.0	.0	.0	.0	3.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
TOT OBS	2	0	0	2	29	7	0	0	0	0	15	55
TOT PCT	3.6	.0	.0	3.6	52.7	12.7	.0	.0	.0	.0	27.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	10.9	12.7	12.7	12.7	12.7	12.7	12.7	12.7
= OR >1000	34.5	61.8	61.8	63.6	63.6	63.6	63.6	63.6
= OR >600	34.5	61.8	63.6	65.5	65.5	65.5	67.3	67.3
= OR >300	34.5	61.8	63.6	65.5	65.5	65.5	67.3	67.3
= OR >150	34.5	61.8	63.6	65.5	65.5	65.5	67.3	67.3
= OR >0	34.5	61.8	63.6	65.5	65.5	67.3	70.9	70.9
TOTAL	19	34	35	36	36	37	39	39

TOTAL NUMBER OF OBS: 55

PCT FREQ NH <5/8: 29.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.6	1.8	3.6	8.9	10.7	5.4	12.5	14.3	35.7	3.6	56

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AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.4	.4	.0	.0	.0	.0	.7	
	NO PCP	2.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
	TOT %	2.0	.9	.0	.0	.4	.4	.0	.0	.0	.0	3.6	
1/2<1	PCP	.0	.0	.0	1.1	.4	.0	.7	.0	.0	.0	2.1	
	NO PCP	1.4	.0	.0	.0	.7	.0	.0	.0	.0	.0	2.1	
	TOT %	1.4	.0	.0	1.1	1.1	.0	.7	.0	.0	.0	4.3	
1<2	PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	1.1	.0	.0	.0	1.4	.0	.0	.4	.0	.0	2.9	
	TOT %	1.1	.0	.7	.0	1.4	.0	.0	.4	.0	.0	3.6	
2<5	PCP	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	1.4	
	NO PCP	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.7	
	TOT %	.4	.0	.7	.0	.0	.0	.7	.4	.0	.0	2.1	
5<10	PCP	1.4	1.4	.0	.0	1.8	3.2	3.9	.4	.0	.0	12.1	
	NO PCP	9.3	3.9	.7	2.1	6.6	3.0	11.1	7.5	.0	.0	44.3	
	TOT %	10.7	5.4	.7	2.1	8.4	6.3	15.0	7.9	.0	.0	56.4	
10+	PCP	.0	.0	.0	.0	.0	1.1	.4	.0	.0	.0	1.4	
	NO PCP	9.0	2.7	1.4	1.8	4.6	6.8	2.9	2.7	.0	.7	28.6	
	TOT %	9.0	2.7	1.4	1.8	4.6	7.9	3.2	2.7	.0	.7	30.0	
TOT OBS													140
TOT PCT													
		20.5	8.9	3.6	5.0	15.9	14.5	19.6	11.3	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	1.3	
	22+	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.7	
	TOT %	1.8	.8	.0	.0	.3	.3	.0	.0	.0	.0	3.4	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	.7	.0	.0	.7	.0	.0	.7	.0	.0	.0	2.0	
	22+	.3	.0	.0	1.0	1.7	.0	.0	.3	.0	.0	3.4	
	TOT %	1.7	.0	.0	1.7	1.7	.0	.7	.3	.0	.0	6.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.7	
	11-21	.7	.0	.7	.0	.7	.0	.0	.0	.0	.0	2.0	
	22+	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	
	TOT %	1.0	.0	.7	.0	1.3	.0	.0	.3	.0	.0	3.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.7	
	11-21	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	1.3	
	22+	.0	.0	1.0	2.3	.7	.0	.0	.0	.0	.0	4.0	
	TOT %	.3	.0	1.0	2.3	1.3	.0	.7	.3	.0	.0	6.0	
5<10	0-3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	
	4-10	1.3	1.0	.3	2.0	.0	.3	1.7	2.0	.0	.0	8.7	
	11-21	7.4	3.4	.3	.0	2.7	2.7	7.0	4.0	.0	.0	27.5	
	22+	.7	.7	.0	.0	5.2	2.9	5.4	1.3	.0	.0	16.1	
	TOT %	10.1	5.0	.7	2.0	7.9	5.9	14.1	7.4	.0	.0	53.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	
	4-10	2.0	.7	.0	.2	.3	.3	1.0	.0	.0	.0	4.7	
	11-21	2.7	1.2	.0	.8	1.2	1.7	1.3	2.5	.0	.0	11.4	
	22+	.0	.7	1.3	.7	2.7	5.4	.7	.0	.0	.0	11.4	
	TOT %	4.7	2.5	1.3	1.7	4.4	7.4	3.0	2.5	.0	.7	28.2	
TOT OBS													149
TOT PCT													
		19.6	8.4	3.7	7.7	16.9	13.6	18.5	10.9	.0	.7	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HRUR (GMT)	000 149	150 289	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	6.3	50.0	6.3	.0	.0	.0	.0	62.5	37.5	16
06009	6.7	.0	.0	6.7	46.7	13.3	.0	.0	.0	.0	73.3	26.7	15
12015	7.7	.0	.0	.0	53.8	15.4	.0	.0	.0	.0	76.9	23.1	13
18021	.0	.0	.0	.0	58.3	16.7	.0	.0	.0	.0	75.0	25.0	12
TOT	2	0	0	2	29	7	0	0	0	0	40	16	56
PCT	3.6	.0	.0	3.6	51.8	12.5	.0	.0	.0	.0	71.4	28.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.3	2.3	4.7	4.7	67.4	18.6	43
06009	2.8	5.6	2.8	8.3	47.2	33.3	36
12015	5.1	7.7	5.1	2.6	56.4	23.1	39
18021	3.1	9.4	.0	9.4	34.4	43.8	32
TOT	5	9	5	9	79	43	150
PCT	3.3	6.0	3.3	6.0	52.7	28.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HRUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	6.3	12.5	50.0	37.5	16
06009	6.7	6.7	13.3	60.0	26.7	15
12015	8.3	8.3	8.3	66.7	25.0	12
18021	.0	.0	.0	75.0	25.0	12
TOT	2	3	5	34	16	55
PCT	3.6	5.5	9.1	61.8	29.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	.0	1.1	1.1	.0	2	2.2
40/44	.0	.0	.0	.0	2.2	6.3	9.7	5.4	22	23.7
35/39	.0	.0	.0	2.2	6.3	10.8	12.9	24.7	53	57.0
30/34	.0	.0	.0	.0	5.4	5.4	5.4	1.1	16	17.2
TOTAL	0	0	0	2	13	22	27	29	93	100.0
PCT	.0	.0	.0	2.2	14.0	23.7	29.0	31.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	.5	.0	.0	.0	.0	.0	.0	.5	.0	1.1
40/44	5.4	.8	.0	.0	.0	1.3	10.5	5.6	.0	.0
35/39	8.3	6.7	2.2	1.3	4.3	12.1	17.2	4.8	.0	.0
30/34	.0	.0	2.2	1.3	6.7	5.9	1.1	.0	.0	.0
TOTAL	14.2	7.5	4.3	2.7	11.0	19.4	28.8	11.0	.0	1.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	44	43	43	38	30	29	29	37.5	44
06009	46	45	44	37	32	30	30	37.3	36
12015	46	45	45	39	33	32	32	38.7	39
18021	44	43	43	37	31	29	29	37.3	35
TOT	46	45	44	38	31	29	29	37.8	154

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	14.3	21.4	28.6	35.7	83	28		
06009	.0	4.5	4.5	22.7	27.3	40.9	84	22		
12015	.0	.0	20.0	24.0	36.0	20.0	80	25		
18021	.0	5.3	15.8	26.3	26.3	26.3	79	19		
TOT	0	2	13	22	28	29	82	94		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	TOT	N FOG	W FOG
5	.0	.0	.8	.0	.0	1	.8	.0
4	.0	.0	.0	3.1	.0	4	.0	3.1
3	.0	.8	.0	.0	.8	2	.0	1.6
2	.0	.0	1.6	1.6	.8	5	.8	3.1
1	.0	.0	1.6	3.1	.0	6	3.9	.8
0	.0	.0	2.3	8.6	.8	15	1.6	10.2
-1	.8	.8	1.6	3.1	.0	8	.0	6.3
-2	.8	1.6	10.2	1.6	.0	18	3.1	10.9
-3	.0	.8	6.3	.0	.8	10	.0	7.8
-4	.8	3.9	4.7	1.6	.0	14	.0	10.9
-5	.0	3.9	7.0	.0	.0	14	.0	10.9
-6	.0	4.7	2.3	.0	.0	9	.8	6.3
-7/-8	2.3	5.5	.0	.0	.0	10	.0	7.8
-9/-10	5.5	2.3	.0	.0	.0	10	3.1	4.7
-11/-13	.8	.8	.0	.0	.0	2	.8	.8
TOTAL	14	49	49	4	4	128	19	109
PCT	10.9	25.0	38.3	22.7	3.1	100.0	14.8	85.2

PERIOD: (OVER-ALL) 1943-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

AUGUST

AREA 0017 TIERRA DEL FUEGO
55.25 65.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	16.7	.0	.0	.0		16.7	
7	.0	.0	.0	16.7	.0	.0		16.7	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	33.3	.0	.0	.0		33.3	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	33.3	16.7	.0	.0		50.0	.0	.0	16.7	.0	.0	.0		16.7	83.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	16.7	.0	.0	.0	.0	.0	16.7	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	33.3	.0	.0	.0	33.3	
7	.0	.0	.0	16.7	.0	.0	16.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	33.3	.0	.0	.0	33.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.7	.0	66.7	16.7	.0	.0	100.0	6

PERIOD: (OVER-ALL) 1950-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	7.5	5.7	7.5	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13
6-7	.0	.0	1.9	17.0	7.5	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16
8-9	.0	.0	.0	.0	.0	1.9	13.2	5.7	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	13
10-11	.0	.0	1.9	.0	3.8	1.9	.0	7.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
TOTAL	.0	.0	6	13	11	3	10	7	1	0	1	1	0	0	0	0	0	0	0	0	55
PCT	.0	.0	11.3	24.5	20.8	5.7	18.9	13.2	1.9	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.34

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
N	4.5	.0	3.6	.0	.0	.0	.0	8.0	.0	3.6	16.1	.0	.0	.0	72.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	30.0	.0	.0	.0	37.5
SW	3.1	7.8	.0	.0	18.8	.0	3.1	32.8	.0	.0	3.1	.0	.0	.0	64.1
W	2.1	7.4	2.1	.0	23.2	.0	6.3	41.1	.0	.0	10.5	.0	.0	.0	48.4
NW	3.6	.0	2.4	.0	.0	.0	9.5	19.5	4.8	.0	16.7	.0	.0	.0	63.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.0	3.0	2.0	.0	9.0	.0	4.0	21.0	1.0	1.0	13.0	.0	.0	.0	64.0
TOT OBS:	100														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST SIG	NO WEA
00003	11.1	3.7	3.7	.0	7.4	.0	.0	25.9	3.7	.0	11.1	.0	.0	.0	.0	59.3
06009	.0	4.2	4.2	.0	4.2	.0	4.2	16.7	.0	4.2	12.5	.0	.0	.0	.0	66.7
12015	.0	.0	.0	.0	11.1	.0	7.4	19.5	.0	.0	14.8	.0	.0	.0	.0	66.7
18021	.0	4.5	.0	.0	13.6	.0	4.5	22.7	.0	.0	13.6	.0	.0	.0	.0	63.6
TOT PCT TOT OBS:	3.0	3.0	2.0	.0	9.0	.0	4.0	21.0	1.0	1.0	13.0	.0	.0	.0	.0	64.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	6.7	14.1	4.4	.0	.0	.0	25.2	15.5	39.1	16.7	23.5	27.5	19.3	20.0	30.0	15.4	
NE	.0	2.1	1.9	1.7	.0	.0	.0	5.7	15.9	2.2	.0	11.8	.0	14.8	.0	6.7	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.8	.0	.0	.0	.0	.8	19.0	.0	.0	.0	.0	.0	.0	.0	7.7	
S	.0	2.3	3.6	.4	.0	.0	.0	6.3	15.3	3.3	.0	2.9	.0	5.7	20.0	6.7	15.4	
SW	.0	3.8	7.6	3.6	.0	.0	.0	14.9	15.8	7.6	19.4	5.9	10.0	20.5	25.0	15.0	23.1	
W	.0	4.6	8.6	10.1	1.7	.0	.0	25.0	19.6	25.0	30.6	42.6	17.5	14.8	35.0	18.3	21.2	
NW	.0	7.4	8.3	3.4	3.4	.0	.0	20.4	17.9	18.5	33.3	13.2	45.0	20.5	.0	23.3	17.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7							1.7	.0	4.3	.0	.0	.0	4.5	.0	.0	.0	
TOT OBS	2	32	31	28	6	0	119		16.8	23	9	17	10	22	10	15	13	
TOT PCT	1.7	26.9	42.9	23.5	5.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40						00	03	06	12	18
N	5.3	7.1	10.5	2.3	.0	.0	25.2	15.5	32.8	25.0	19.5	23.2		
NE	1.3	1.9	1.7	.8	.0	.0	5.7	15.9	1.6	7.4	10.2	3.6		
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
SE	.0	.0	.8	.0	.0	.0	.8	19.0	.0	.0	.0	3.6		
S	.0	2.7	3.6	.0	.0	.0	6.3	15.3	2.3	1.9	10.2	10.7		
SW	1.9	5.5	6.7	.8	.0	.0	14.9	15.8	10.9	7.4	21.9	18.8		
W	.6	9.5	9.0	5.9	.0	.0	25.0	19.6	26.6	33.3	21.1	19.6		
NW	4.4	6.1	4.6	4.4	.8	.0	20.4	17.9	22.7	25.0	14.1	20.5		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.7						1.7	.0	3.1	.0	3.1	.0		
TOT OBS	18	39	44	17	1	119	16.8		32	27	32	28		
TOT PCT	15.1	32.8	37.0	14.3	.8			100.0		100.0	100.0	100.0		

SEPTEMBER

PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969

AREA 0017 TIERRA DEL FUEGO
54.85 65.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	3.1	.0	25.0	50.0	21.9	.0	.0	15.5	100.0	32
06009	.0	.0	25.9	51.9	11.1	11.1	.0	15.9	100.0	27
12015	3.1	.0	31.3	31.3	25.0	9.4	.0	18.0	100.0	32
18021	.0	.0	25.0	39.3	35.7	.0	.0	18.0	100.0	28
TOT	2	0	32	51	28	6	0	16.8		119
PCT	1.7	.0	26.9	42.9	23.5	5.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	9.3	12.9	13.4		6.3
NE	4.7	2.3	2.9	4.7		4.4
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	2.3	.6	.6	2.3		4.3
W	7.0	3.5	4.1	8.1		4.7
NW	.0	5.2	.6	13.4		6.5
VAR	.0	.0	.0	.0		.0
CALM	2.3	.0	.0	.0		.0
TOT OBS	7	9	9	18	43	5.4
TOT PCT	16.3	20.9	20.9	41.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) NH >4/8
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	2.9	.0	2.3	10.5	.0	.0	.0	.0	19.8	
NE	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	9.9	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	2.3	.6	.0	.0	.0	.0	.0	2.9	
W	.0	.0	.0	.0	5.4	2.3	.0	.0	.0	.0	14.0	
NW	.0	.0	1.7	.0	2.3	3.5	.0	.0	.0	.0	11.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
TOT OBS	0	0	2	1	6	8	0	0	0	0	26	43
TOT PCT	.0	.0	4.7	2.3	14.0	18.6	.0	.0	.0	.0	60.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >8500	.0	.0	.0	.0	.0	.0	.0	.0
OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
OR >2000	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
OR >1000	25.6	30.2	32.6	32.6	32.6	32.6	32.6	32.6
OR >600	27.9	32.6	34.9	34.9	34.9	34.9	34.9	34.9
OR >300	32.6	37.2	39.5	39.5	39.5	39.5	39.5	39.5
OR >150	32.6	37.2	39.5	39.5	39.5	39.5	39.5	39.5
OR >0	32.6	37.2	39.5	39.5	39.5	39.5	39.5	39.5
TOTAL	14	16	17	17	17	17	17	17

TOTAL NUMBER OF OBS: 43

PCT FREQ NH <5/8: 60.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
	12.5	12.5	12.5	12.5	4.2	2.1	8.3	8.3	27.1	46

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PERIOD: (PRIMARY) 1926-1969
(OVER-ALL) 1922-1969AREA 0017 TIERRA DEL FUEGO
54.85 65.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	2.6	.0	.0	.0	.0	.5	.5	.5	.0	.0	.0	4.2
	TOT %	2.6	.0	.0	.0	.0	.5	.5	.5	.0	.0	.0	4.2
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
5<10	PCP	.0	.0	.0	.0	.5	5.2	9.4	2.6	.0	.0	.0	17.7
	NO PCP	7.8	.0	.0	.0	2.6	7.8	6.3	13.0	.0	.0	.0	37.5
	TOT %	7.8	.0	.0	.0	3.1	13.0	15.6	15.6	.0	.0	.0	55.2
10+	PCP	1.3	.0	.0	.0	.0	.3	.8	.8	.0	.0	.0	3.1
	NO PCP	15.6	6.5	.0	.0	.0	2.9	6.8	3.6	.0	1.0	.0	36.5
	TOT %	16.9	6.5	.0	.0	.0	3.1	7.6	4.4	.0	1.0	.0	39.6
TOT OBS													
TOT PCT													
		28.4	6.5	.0	.0	3.1	16.7	23.7	20.6	.0	1.0	100.0	96

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
	11-21	1.4	.0	.0	.0	.0	.5	1.2	.7	.0	.0	.0	3.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	2.4	.0	.0	.0	.0	.5	1.2	.7	.0	.0	.0	4.7
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.7	.2	.0	.0	.0	.0	.0	.9
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.9	.0	.0	.0	1.9	.0	.7	.2	.0	.0	.0	3.8
	22+	.0	.0	.0	.0	.0	.2	.7	.0	.0	.0	.0	.9
	TOT %	.9	.0	.0	.0	1.9	.2	1.4	.2	.0	.0	.9	5.7
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.9	.0	.0	.0	1.9	.9	.9	4.7	.0	.0	.0	9.4
	11-21	3.8	.0	.0	.0	.5	7.1	3.3	2.4	.0	.0	.0	17.0
	22+	2.4	.0	.0	.0	.5	3.8	9.9	7.1	.0	.0	.0	23.6
	TOT %	7.1	.0	.0	.0	2.8	11.8	14.2	14.2	.0	.0	.0	50.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.9
	4-10	3.8	1.9	.0	.0	.0	3.1	.7	.9	.0	.0	.0	10.4
	11-21	9.7	2.1	.0	.0	.0	.7	3.5	2.8	.0	.0	.0	18.9
	22+	2.6	1.9	.0	.0	.0	.0	2.6	.5	.0	.0	.0	7.5
	TOT %	16.0	5.9	.0	.0	.0	3.8	6.8	4.2	.0	.9	.9	37.7
TOT OBS													
TOT PCT													
		26.4	5.9	.0	.0	5.4	16.5	24.5	19.3	.0	1.9	100.0	106

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(OVER-ALL) 1927-1969AREA 0017 TIERRA DEL FUEGO
34.85 65.34

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	150 299	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	18.2	.0	.0	18.2	.0	.0	.0	.0	36.4	63.6	11
06209	.0	.0	.0	.0	18.2	27.3	.0	.0	.0	.0	45.5	54.5	11
12215	.0	.0	.0	.0	10.0	20.0	.0	.0	.0	.0	30.0	70.0	10
18221	.0	.0	.0	9.1	27.3	9.1	.0	.0	.0	.0	45.5	54.5	11
TOT	0	0	2	1	6	8	0	0	0	0	17	26	43
PCT	.0	.0	4.7	2.3	14.0	18.6	.0	.0	.0	.0	39.5	60.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00203	.0	6.9	3.4	3.4	44.8	41.4	29
06209	4.0	.0	.0	8.0	52.0	36.0	25
12215	.0	7.1	.0	3.6	57.1	32.1	28
18221	.0	4.2	.0	8.3	45.8	41.7	24
TOT	1	5	1	6	53	40	106
PCT	.9	4.7	.9	5.7	50.0	37.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	18.2	18.2	18.2	63.6	11
06209	.0	.0	9.1	36.4	54.5	11
12215	.0	.0	.0	30.0	70.0	10
18221	.0	.0	9.1	36.4	54.5	11
TOT	0	2	4	13	26	43
PCT	.0	4.7	9.3	30.2	60.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	.0	3.4	1.7	.0	6	5.1
40/44	.0	.0	.0	.9	9.1	21.4	19.7	17.1	75	64.1
35/39	.0	.0	.0	.0	.9	6.8	9.4	9.4	31	26.5
30/34	.0	.0	.0	.0	.0	.0	2.6	1.7	5	4.3
TOTAL	0	0	0	1	7	37	39	33	117	100.0
PCT	.0	.0	.0	.9	6.0	31.6	33.3	28.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.4	.9	.0	.0	.0	.0	.0	1.9	.0	.0
22.0	4.9	.0	.0	2.6	5.8	13.0	14.1	.0	1.7
1.3	.0	.0	.9	3.4	6.8	9.8	4.3	.0	.0
.0	.0	.0	.0	.4	2.6	1.3	.0	.0	.0
75.6	5.8	.0	.9	6.4	15.2	24.1	20.3	.0	1.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	44	43	43	41	34	33	33	40.3	32
06209	46	45	45	41	35	34	34	40.5	27
12215	46	45	44	41	36	31	31	40.4	33
18221	46	45	45	41	36	33	33	41.1	28
TOT	46	45	45	41	35	33	31	40.5	120

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00203	.0	3.1	3.1	31.3	34.4	28.1	83	37
06209	.0	.0	3.8	42.3	26.9	26.9	82	26
12215	.0	.0	12.1	27.3	24.2	36.4	82	33
18221	.0	.0	3.7	25.9	48.1	22.2	82	27
TOT	0	1	7	37	39	34	82	118

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	TOT	N FDG	WD FDG
4	.0	.0	.0	2.1	1.0	3	1.0	2.1
3	.0	.0	.0	.0	1.0	1	.0	1.0
2	.0	.0	.0	3.1	.0	3	.0	3.1
1	.0	.0	.0	14.4	4.1	18	1.0	17.5
0	.0	.0	1.0	8.2	1.0	10	1.0	9.3
-1	.0	.0	4.1	13.4	.0	17	2.1	15.5
-2	.0	.0	8.2	9.3	.0	17	5.2	12.4
-3	.0	1.0	6.2	2.1	.0	9	2.1	7.2
-4	.0	3.1	3.1	1.0	.0	7	.0	7.2
-5	.0	4.1	4.1	.0	.0	8	1.0	7.2
-6	.0	1.0	.0	.0	.0	1	.0	1.0
-7/-8	1.0	1.0	.0	.0	.0	2	.0	2.1
-9/-10	.0	1.0	.0	.0	.0	1	.0	1.0
TOTAL	1		26		7		13	44
PCT	1.0	11.3	26.8	53.6	7.2	100.0	13.4	86.6

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	7.1
7	.0	.0	12.5	7.1	.0	.0	19.6	.0	.0	7.1	.0	.0	.0	7.1
8-9	.0	.0	21.4	5.4	.0	.0	26.8	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	7.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	41.1	12.5	.0	.0	53.6	.0	.0	14.3	7.1	.0	.0	21.4

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	3.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	5.4	5.4	.0	.0	.0	10.7	.0	.0	1.8	.0	.0	.0	1.8	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	1.8	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	5.4	.0	.0	.0	10.7	.0	.0	1.8	1.8	.0	.0	3.6	92.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	7.1	.0	7.1	.0	.0	.0	14.2	.0
5-6	.0	.0	7.1	.0	.0	.0	7.1	.0
7	.0	7.1	28.6	7.1	.0	.0	42.9	.0
8-9	.0	.0	21.4	7.1	.0	.0	28.6	.0
10-11	.0	.0	.0	7.1	.0	.0	7.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.1	7.1	64.3	21.4	.0	.0	100.0	14

PERIOD: (OVER-ALL) 1955-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.6	2.6	.0	.0	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
6-7	.0	.0	2.6	.0	7.9	.0	.0	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	8
8-9	.0	.0	15.8	7.9	5.3	10.5	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
10-11	.0	.0	.0	.0	2.6	.0	.0	2.6	.0	5.3	5.3	.0	.0	.0	.0	.0	.0	.0	.0	6	16
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	1	20
INDET	.0	.0	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
TOTAL	.0	1	10	4	6	6	1	4	1	2	3	0	0	0	0	0	0	0	0	38	8
PCT	.0	2.6	26.3	10.5	15.8	15.8	2.6	10.5	2.6	5.3	7.9	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970AREA 0017 TIERRA DEL FUEGO
54.95 65.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	1.8	9.2	5.5	.0	.0	.0	.0	16.5	.0	.0	14.7	.0	.0	.0	68.8
NE	.0	20.7	.0	.0	.0	.0	.0	20.7	13.8	.0	.0	.0	.0	.0	65.5
E	20.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	.0	33.3
SW	29.6	.0	.0	.0	.0	.0	.0	29.6	.0	.0	.0	.0	.0	.0	70.4
W	20.6	9.3	5.6	.0	.0	.0	.0	35.5	1.9	.0	7.5	.0	.0	.0	55.1
NW	7.8	5.9	3.9	.0	3.9	.0	3.9	21.6	2.0	.0	.0	.0	.0	.0	76.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	12.0	8.0	4.0	.0	1.0	.0	1.0	25.0	2.0	.0	6.0	.0	.0	.0	67.0
TOT OBS:	100														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	11.1	11.1	.0	.0	.0	.0	.0	22.2	.0	.0	11.1	.0	.0	.0	66.7
06009	5.3	5.3	10.3	.0	.0	.0	.0	21.1	.0	.0	10.5	.0	.0	.0	68.4
12015	9.7	12.9	6.5	.0	3.2	.0	.0	29.0	6.5	.0	3.2	.0	.0	.0	61.3
18021	20.0	.0	.0	.0	.0	.0	4.0	24.0	.0	.0	.0	.0	.0	.0	76.0
TOT PCT	11.8	7.8	3.9	.0	1.0	.0	1.0	24.5	2.0	.0	5.9	.0	.0	.0	67.6
TOT OBS:	102														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	5.5	12.8	9.0	.0	.0		27.3	17.0		23.5	45.0	14.3	31.8	29.8	35.0	13.6	23.1
NE	.0	.5	5.8	1.0	.0	.0		7.3	16.7		2.9	13.0	.0	.0	8.3	10.0	18.2	5.8
E	.0	1.0	3.0	1.0	.0	.0		5.0	14.8		17.6	.0	14.3	.0	.0	.0	9.1	.0
SE	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
S	.0	1.5	.0	.0	.0	.0		1.5	7.0		8.8	.0	.0	.0	.0	.0	.0	.0
SW	.0	2.3	3.5	1.0	.0	.0		6.8	13.1		5.9	5.0	.0	.0	9.5	5.0	15.9	7.7
W	.0	2.8	12.0	7.0	3.5	1.5		26.8	23.1		17.6	20.0	28.6	54.5	23.8	20.0	20.5	34.6
NW	.0	2.5	7.0	13.0	1.5	1.5		25.5	23.4		23.5	15.0	42.9	13.6	28.6	30.0	22.7	30.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
TOT DBS	.0	16	44	32	5	3	100		19.7		17	10	7	11	21	10	11	13
TOT PCT	.0	16.0	44.0	32.0	5.0	3.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.0	11.3	14.0	1.0	.0		27.3	17.0	31.5	25.0	31.5	18.8	
NE	.0	2.8	4.5	.0	.0		7.3	16.7	7.4	.0	8.9	10.4	
E	1.0	2.0	2.0	.0	.0		5.0	14.8	11.1	5.6	.0	4.2	
SE	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
S	.5	1.0	.0	.0	.0		1.5	7.0	5.6	.0	.0	.0	
SW	.8	5.0	.5	.5	.0		6.8	13.1	5.6	.0	8.1	11.5	
W	.8	8.5	10.5	3.5	3.5		26.8	23.1	18.5	44.4	22.6	28.1	
NW	1.0	3.5	16.5	3.0	1.5		25.5	23.4	20.4	25.0	29.0	27.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
TOT DBS	5	34	48	8	5	100		19.7	27	18	31	24	
TOT PCT	5.0	34.0	48.0	8.0	5.0	100.0		100.0	100.0	100.0	100.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970AREA 0017 TIERRA DEL FUEGO
54.85 65.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.0	.0	25.9	37.0	29.6	.0	7.4	19.1	100.0	27
06009	.0	.0	22.2	33.3	27.8	16.7	.0	20.5	100.0	18
12015	.0	.0	3.2	64.5	25.8	6.5	.0	19.5	100.0	31
18021	.0	.0	16.7	33.3	45.8	.0	4.2	20.2	100.0	24
TOT	0	0	16	44	32	5	3	19.7		100
PCT	.0	.0	16.0	44.0	32.0	5.0	3.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	5.6	8.3		7.0
NE	.0	.0	7.4	.9		7.1
E	.0	3.7	7.4	.0		5.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	3.7		8.0
SW	3.7	.0	.9	7.4		5.9
W	.0	1.9	6.5	5.6		6.6
NW	.0	5.6	13.0	18.5		6.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	3	11	12	27	6.4
TOT PCT	3.7	11.1	40.7	44.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	3.7	3.7	.0	.0	2.8	.0	3.7	
.0	.0	.0	.0	3.7	.0	.0	.0	.9	.0	3.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	8.3	
.0	.0	.0	.0	.0	.0	3.7	.0	.0	.0	10.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.4	29.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	2	4	.0	1	2	18	27
.0	.0	.0	.0	7.4	14.8	.0	.0	3.7	7.4	66.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NH) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	3.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1
= OR >3000	3.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1
= OR >2000	3.7	11.1	11.1	11.1	11.1	11.1	11.1	11.1
= OR >1000	14.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9
= OR >600	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3
= OR >300	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3
= OR >150	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3
= OR >0	18.5	29.6	33.3	33.3	33.3	33.3	33.3	33.3
TOTAL	5	8	9	9	9	9	9	9

TOTAL NUMBER OF OBS: 27

PCT FREQ NH <5/8: 66.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	UBSCD	TOTAL OBS
14.8	3.7	29.6	7.4	11.1	3.7	11.1	7.4	11.1	.0	27

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970

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AREA 0017 TIERRA DEL FUEGO
54.95 65.7W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	2.0	3.0
	NO PCP	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	1.0	
	TOT %	.0	.0	1.0	.0	.0	.0	1.5	.5	.0	.0	3.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	2.0	2.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	2.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
5<10	PCP	3.5	1.5	.0	.0	1.0	1.0	6.0	5.0	.0	.0	18.0	38.0
	NO PCP	11.5	3.0	1.0	.0	.5	2.0	12.0	8.0	.0	.0	38.0	
	TOT %	15.0	4.5	1.0	.0	1.5	3.0	18.0	13.0	.0	.0	56.0	
10+	PCP	1.0	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	3.0	38.0
	NO PCP	10.3	2.8	3.0	.0	.0	2.8	4.8	11.5	.0	.0	35.0	
	TOT %	11.3	2.8	3.0	.0	.0	3.8	5.8	11.5	.0	.0	38.0	
TOT OBS													100
TOT PCT		27.3	7.3	5.0	.0	1.5	6.8	26.8	25.5	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	2.0	
	22+	.0	.0	.0	.0	.0	.0	.5	.5	.0	.0	1.0	
	TOT %	.0	.0	1.0	.0	.0	.0	1.5	.5	.0	.0	3.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	2.0	
	TOT %	.0	.0	.0	.0	.0	.0	1.5	.5	.0	.0	2.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56.0
	4-10	2.5	.5	.0	.0	1.5	1.0	.5	1.0	.0	.0	7.0	
	11-21	7.0	3.0	1.0	.0	.0	1.5	9.0	4.5	.0	.0	26.0	
	22+	5.5	1.0	.0	.0	.0	.5	8.5	7.5	.0	.0	23.0	
	TOT %	15.0	4.5	1.0	.0	1.5	3.0	18.0	13.0	.0	.0	56.0	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38.0
	4-10	3.0	.0	1.0	.0	.0	1.3	2.3	1.5	.0	.0	9.0	
	11-21	5.8	2.8	1.0	.0	.0	2.0	2.0	2.5	.0	.0	16.0	
	22+	2.5	.0	1.0	.0	.0	.5	1.5	7.5	.0	.0	13.0	
	TOT %	11.3	2.8	3.0	.0	.0	3.8	5.8	11.5	.0	.0	38.0	
TOT OBS													100
TOT PCT		27.3	7.3	5.0	.0	1.5	6.8	26.8	25.5	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1922-1970AREA 0017 TIERRA DEL FUEGO
54.9S 65.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	16.7	.0	.0	.0	16.7	33.3	66.7	6
06009	.0	.0	.0	.0	.0	25.0	.0	.0	.0	25.0	50.0	50.0	4
12015	.0	.0	.0	.0	.0	22.2	.0	.0	11.1	.0	33.3	66.7	9
18021	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	0	2	4	0	0	1	2	9	18	27
PCT	.0	.0	.0	.0	7.4	14.8	.0	.0	3.7	7.4	33.3	66.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	3.7	3.7	.0	66.7	25.9	27
06009	.0	5.3	5.3	.0	47.4	42.1	19
12015	.0	.0	.0	.0	58.1	41.9	31
18021	.0	4.0	.0	4.0	44.0	48.0	25
TOT	0	3	2	1	56	40	102
PCT	.0	2.9	2.0	1.0	54.9	39.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ ANDS+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	33.3	66.7	6
06009	.0	.0	.0	50.0	50.0	4
12015	.0	.0	.0	33.3	66.7	9
18021	.0	.0	12.5	12.5	75.0	8
TOT	0	0	1	8	18	27
PCT	.0	.0	3.7	29.6	66.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.0	1.2	.0	1.2	.0	2	2.4
45/49	.0	.0	.0	1.2	3.6	10.7	11.9	1.2	24	28.6
40/44	.0	.0	.0	.0	4.8	10.7	22.6	25.0	53	63.1
35/39	.0	.0	.0	1.2	1.2	.0	2.4	1.2	5	6.0
TOTAL	0	0	0	2	9	18	32	23	84	100.0
PCT	.0	.0	.0	2.4	10.7	21.4	38.1	27.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
50/54	.6	1.2	.0	.0	.0	.0	.0	.6	.0	.0
45/49	10.7	4.2	1.2	.0	.0	.9	5.1	6.5	.0	.0
40/44	15.2	3.3	4.8	.0	1.8	7.1	22.0	8.9	.0	.0
35/39	3.6	.0	.0	.0	.0	.0	.0	2.4	.0	.0
TOTAL	30.1	8.6	6.0	.0	1.8	8.0	27.1	18.5	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	46	45	45	43	40	39	39	42.9	27
06009	47	46	46	43	39	39	39	42.4	19
12015	51	50	49	43	39	39	39	43.3	31
18021	52	51	49	44	39	38	38	44.3	25
TOT	52	51	48	43	39	38	38	43.3	102

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.0	4.0	20.0	40.0	32.0	84	25
06009	.0	.0	7.1	21.4	42.9	28.6	84	14
12015	.0	.0	12.0	24.0	48.0	16.0	81	25
18021	.0	9.1	18.2	18.2	18.2	36.4	81	22
TOT	0	3	9	18	32	24	82	86

OCTOBER

PERIOD: (PRIMARY) 1923-1970
(OVER-ALL) 1927-1970

TABLE 17

AREA 0017 TIERRA DEL FUEGO
54.9S 65.7W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	TOT FOG	W FOG	NO FOG
11/13	.0	.0	.0	1.0	1	.0	1.0
9/10	.0	.0	1.0	.0	1	.0	1.0
7/8	.0	.0	1.0	1.0	2	.0	2.0
6	.0	.0	1.0	.0	1	.0	1.0
5	.0	.0	1.0	.0	1	.0	1.0
4	.0	2.0	2.0	1.0	5	.0	4.9
3	.0	3.9	1.0	1.0	6	.0	5.9
2	.0	7.8	8.8	.0	17	.0	16.7
1	.0	13.7	6.9	.0	21	2.9	17.6
0	1.0	11.8	2.0	.0	15	.0	14.7
-1	1.0	8.9	1.0	.0	9	1.0	7.8
-2	2.9	7.8	.0	.0	11	.0	10.8
-3	5.9	2.0	.0	.0	8	2.0	5.9
-4	2.0	.0	.0	.0	2	.0	2.0
-5	.0	2.0	.0	.0	2	.0	2.0
TOTAL	13	59	26	4	102	6	96
PCT	12.7	57.8	25.5	3.9	100.0	5.9	94.1

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	16.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	16.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	33.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	16.7	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	16.7	16.7	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1970

OCTOBER

AREA 0017 TIERRA DEL FUEGO
54.95 65.7W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	4.2	.0	.0	.0	.0	.0		4.2
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	16.7	.0	.0	.0	.0		16.7
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	.0	.0	.0	.0		.0	4.2	16.7	.0	.0	.0	.0		20.8

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	12.5	.0	.0	.0	.0		12.5	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	12.5	.0	.0	.0	.0		12.5	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	16.7	.0	.0	.0	16.7	
3-4	.0	16.7	16.7	16.7	.0	.0	50.0	
5-6	.0	.0	16.7	.0	.0	.0	16.7	
7	.0	.0	16.7	.0	.0	.0	16.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	16.7	66.7	16.7	.0	.0	100.0	6

PERIOD: (OVER-ALL) 1951-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	12.0	4.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
6-7	.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
8-9	.0	.0	4.0	.0	8.0	12.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	8
10-11	.0	.0	.0	.0	4.0	8.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	9
12-13	.0	.0	.0	.0	.0	4.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	4.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
TOTAL	0	0	6	3	4	6	3	3	0	0	0	0	0	0	0	0	0	0	0	25	7
PCT	.0	.0	24.0	12.0	16.0	24.0	12.0	12.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1926-1973
(OVER-ALL) 1921-1973

APEA 0017 TIERRA DEL FUEGO
54.63 65.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
N	10.2	.0	.0	.0	.0	.0	.0	10.2	.0	.0	.0	.0	.0	89.8
NE	44.4	.0	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0	55.6
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7
SW	5.1	.0	.0	.0	10.3	.0	7.7	23.1	.0	.0	.0	.0	.0	76.9
W	13.3	8.7	.0	.0	.0	.0	2.3	24.3	2.3	.0	.0	.0	.0	73.4
NW	17.4	.6	7.5	.0	.0	.0	.0	25.5	2.5	.0	2.5	.0	.0	69.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	12.8	3.2	2.4	.0	1.6	.0	3.2	23.2	1.6	.0	1.6	.0	.0	73.6
TOT CBS:	125													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
0000	12.8	2.6	5.1	.0	2.6	.0	2.6	25.6	.0	.0	.6	.0	.0	71.8
0600	16.0	4.0	4.0	.0	4.0	.0	.0	28.0	4.0	.0	.0	.0	.0	68.0
1200	7.7	5.1	.0	.0	.0	.0	5.1	17.9	2.6	.0	.0	.0	.0	79.5
1800	16.7	.0	.0	.0	.0	.0	4.2	20.8	.0	.0	.2	.0	.0	75.0
TOT PCT	12.6	3.1	2.4	.0	1.6	.0	3.1	22.8	1.6	.0	.6	.0	.0	74.0
TOT CBS:	127													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	2.7	3.4	2.2	.7	.0		9.1	16.7		8.3	13.1	5.0	10.3	5.4	.0	17.5	15.3
NE	.0	.3	1.0	.2	.0	.0		1.5	13.5		.0	1.2	.0	.0	3.6	.0	.0	5.6
E	.0	.7	.0	.0	.0	.0		.7	5.0		.0	.0	.0	.0	.0	.0	.0	5.6
SE	.0	.7	.0	.0	.0	.0		.7	4.0		.0	.0	.0	.0	.0	6.3	.0	.0
S	.0	.7	1.0	.3	1.7	.0		3.8	25.8		6.3	2.4	.0	.0	7.1	3.1	.0	5.6
SW	.0	1.4	5.8	5.8	2.4	.0		15.4	22.0		14.6	7.1	10.0	18.4	21.4	12.5	20.0	16.7
W	.0	8.2	14.6	6.7	3.9	.0		33.4	19.0		18.8	35.7	43.0	34.2	46.4	34.4	47.5	13.9
NW	1.4	7.9	16.6	5.3	2.9	.0		34.1	16.8		47.9	40.5	40.0	31.6	16.1	43.8	15.0	37.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.4							1.4	.0		4.2	.0	.0	5.3	.0	.0	.0	.0
TOT CBS	4	33	62	30	17	0	146		18.2		24	21	10	19	28	16	10	18
TOT PCT	2.7	22.6	42.5	20.5	11.6	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	09	15
N	.7	4.5	2.9	1.0	.0		9.1	16.7	10.6	8.6	3.4	16.1
NE	.0	1.4	.2	.0	.0		1.5	13.5	.6	.0	2.3	3.6
E	.7	.0	.0	.0	.0		.7	5.0	.0	.0	.0	3.6
SE	.7	.0	.0	.0	.0		.7	4.0	.0	.0	2.3	.0
S	.0	1.4	.7	1.4	.3		3.8	25.8	4.4	.0	5.7	3.6
SW	1.4	2.7	8.2	2.1	1.0		15.4	22.0	11.1	15.5	18.2	17.9
W	2.7	10.3	13.0	6.7	.7		33.4	19.0	26.7	37.9	42.0	25.9
NW	3.4	14.7	11.3	3.9	.7		34.1	16.8	44.4	34.5	26.1	29.5
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.4						1.4	.0	2.2	3.4	.0	.0
TOT OBS	16	51	53	22	4	146		18.2	45	29	44	28
TOT PCT	11.0	34.9	36.3	15.1	2.7		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1926-1973
(OVER-ALL) 1921-1973

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AREA 0017 TIERRA DEL FUEGO
54.65 65.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOURL	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	2.2	.0	17.8	42.2	26.7	11.1	.0	18.9	100.0	45
06009	3.4	6.9	20.7	31.0	24.1	13.8	.0	18.4	100.0	29
12015	.0	.0	22.7	50.0	18.2	9.1	.0	18.1	100.0	44
18021	.0	.0	32.1	42.9	10.7	14.3	.0	17.1	100.0	28
TOT	2	2	33	62	30	17	0	18.2		146
PCT	1.4	1.4	22.6	42.5	20.5	11.6	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS CO	TOTAL OBS	MEAN CLOUD COVER
N	.0	6.9	3.4	8.6		6.3
NE	.0	.0	.0	.9		8.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	3.4	3.4		7.0
W	12.9	6.9	10.3	12.9		4.5
NW	4.3	6.9	13.8	1.7		4.9
VAR	.0	.0	.0	.0		.0
CALM	.0	3.4	.0	.0		4.0
TOT OBS	5	7	9	8	29	5.1
TOT PCT	17.2	24.1	31.0	27.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	2.6	.0	.0	.0	2.6	.0	13.8	
.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	3.4	
.0	.0	2.6	3.4	6.9	3.4	.0	.0	.0	.0	26.7	
.0	.0	.9	3.4	4.3	.0	.0	.0	.0	.0	18.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.4	
.0	.0	1	2	5	1	0	0	1	0	19	
.0	.0	3.4	6.9	17.2	3.4	.0	.0	3.4	.0	65.5	29 100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VISBY (NM)

CEILING (FEET)	= OR		= OR		= OR		= OR		= OR	
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0		
= OR >500	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		
= OR >1000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		
= OR >2000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4		
= OR >3000	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9		
= OR >4000	10.3	20.7	20.7	24.1	24.1	24.1	24.1	24.1		
= OR >5000	10.3	27.6	27.6	31.0	31.0	31.0	31.0	31.0		
= OR >6000	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5		
= OR >7000	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5		
= OR >8000	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5		
= OR >9000	10.3	31.0	31.0	34.5	34.5	34.5	34.5	34.5		
TOTAL	3	9	9	10	10	10	10	10		

TOTAL NUMBER OF OBS: 29

PCT FREQ NH <5/8: 65.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBS CO	TOTAL OBS
3.0	27.3	9.1	12.1	12.1	9.1	9.1	3.0	15.2	.0
									33

PERIOD: (PRIMARY) 1926-1973
(OVER-ALL) 1921-1973

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AREA 0017 TIERRA DEL FUEGO
54.65 65.54

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.4	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.4	
1<2	PCP	.0	.8	.0	.0	.0	.0	.8	.8	.0	.0	2.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.8	.0	.0	.0	.0	.8	.8	.0	.0	2.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.8	
5<10	PCP	.0	.0	.0	.0	1.2	3.6	3.4	4.6	.0	.0	12.8	
	NO PCP	2.2	.4	.0	.8	1.6	10.4	17.6	13.4	.0	.0	48.4	
	TOT %	2.2	.4	.0	.8	2.8	14.0	21.0	18.0	.0	.0	59.2	
10+	PCP	.6	.0	.0	.0	.0	.0	3.8	.4	.0	.0	4.8	
	NO PCP	5.6	.6	.8	.0	.8	1.6	8.6	10.6	.0	.8	30.4	
	TOT %	7.2	.6	.8	.0	.8	1.6	12.4	11.0	.0	.8	35.2	
TOT OBS													125
TOT PCT		9.8	1.8	.8	.8	3.6	15.6	34.6	32.2	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.4	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.6	
	TOT %	.4	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.8	.0	.0	.0	.0	.4	1.2	.0	.0	2.4	
	22+	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
	TOT %	.0	.8	.0	.0	.0	.0	1.2	1.2	.0	.0	3.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.8	.8	.0	.0	1.6	
	TOT %	.0	.0	.0	.0	.0	.0	.8	.8	.0	.0	1.6	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.0	.4	.0	.8	.0	1.6	3.9	3.3	.0	.0	11.0	
	11-21	.4	.0	.0	.0	.4	5.1	9.8	10.2	.0	.0	26.0	
	22+	.8	.0	.0	.0	2.4	7.1	6.9	4.1	.0	.0	21.3	
	TOT %	2.2	.4	.0	.8	2.8	13.8	20.7	17.7	.0	.0	58.3	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	
	4-10	1.4	.0	.8	.0	.0	.0	3.1	1.8	.0	.0	7.1	
	11-21	3.5	.4	.0	.0	.8	1.6	5.3	5.7	.0	.0	17.3	
	22+	2.2	.2	.0	.0	.0	.0	3.7	3.3	.0	.0	9.4	
	TOT %	7.1	.6	.8	.0	.8	1.6	12.2	10.8	.0	.8	34.6	
TOT OBS													127
TOT PCT		9.6	1.8	.8	.8	3.5	15.4	34.8	32.5	.0	.8	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1926-1973
(OVER-ALL) 1921-1973AREA 0017 TIERRA DEL FUEGO
54.65 65.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	11.1	.0	11.1	.0	.0	.0	11.1	.0	33.3	66.7	9
06009	.0	.0	.0	25.0	25.0	.0	.0	.0	.0	.0	50.0	50.0	4
12015	.0	.0	.0	11.1	11.1	11.1	.0	.0	.0	.0	33.3	66.7	9
18021	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	22.2	77.8	9
TOT	0	0	1	2	5	1	0	0	1	0	10	21	31
PCT	.0	.0	3.2	6.5	16.1	3.2	.0	.0	3.2	.0	32.3	67.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	5.0	2.5	62.5	30.0	40
06009	.0	8.0	4.0	.0	68.0	20.0	25
12015	.0	2.6	2.6	.0	56.4	38.5	39
18021	.0	.0	.0	4.0	48.0	48.0	25
TOT	0	3	4	2	76	44	129
PCT	.0	2.3	3.1	1.6	58.9	34.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	12.5	25.0	12.5	62.5	8
06009	.0	.0	25.0	25.0	50.0	4
12015	.0	.0	12.5	25.0	62.5	8
18021	.0	.0	.0	22.2	77.8	9
TOT	0	1	4	6	19	29
PCT	.0	3.4	13.8	20.7	65.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.9	2.6	1.7	.0	.0	6	5.2
45/49	.0	.0	.0	.9	5.2	16.4	19.0	3.4	52	44.8
40/44	.0	.0	.0	.0	4.3	4.3	13.8	19.8	49	42.2
35/39	.0	.0	.0	.0	.0	1.7	3.4	.9	7	6.0
30/34	.0	.0	.0	.0	.0	.0	1.7	.0	2	1.7
TOTAL	0	0	0	2	14	28	44	28	116	100.0
PCT	.0	.0	.0	1.7	12.1	24.1	37.9	24.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
50/54	.9	.0	.0	.0	.9	.0	.4	3.0	.0	.0
45/49	4.1	1.1	.9	.9	1.3	4.7	17.7	13.4	.0	.9
40/44	5.0	.0	.0	.0	.4	7.8	13.6	14.7	.0	.9
35/39	.0	.0	.0	.0	2.2	3.0	.0	.9	.0	.0
30/34	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0
TOTAL	9.9	1.1	.9	.9	4.7	17.2	31.7	31.9	.0	1.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	50	49	49	44	36	34	34	43.7	47
06009	49	48	48	42	36	34	34	42.5	31
12015	51	50	50	45	39	35	35	45.0	48
18021	50	49	49	45	41	37	37	45.6	29
TOT	51	50	50	44	37	34	34	44.2	155

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	5.3	23.7	39.5	31.6	84	38
06009	.0	.0	13.6	18.2	31.8	36.4	84	22
12015	.0	5.7	14.3	25.7	42.9	11.4	79	35
18021	.0	.0	18.2	31.8	31.8	18.2	78	22
TOT	0	2	14	29	44	28	82	117

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PERIOD: (PRIMARY) 1924-1973
(OVER-ALL) 1921-1973AREA 0017 TIERRA DEL FUEGO
54.65 65.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	49 52	TOT	N FOG	WD FNG
7/8	.0	.0	.0	.0	1.7	2	.0	1.7
6	.0	.0	.0	.0	1.7	2	.0	1.7
5	.0	.0	.0	2.5	4.2	8	.0	6.8
4	.0	.0	.0	5.9	.0	7	.0	5.9
3	.0	.0	.0	11.0	2.5	16	.0	13.6
2	.0	.0	6.8	9.3	.0	19	.0	16.1
1	.0	.0	6.8	5.9	.0	15	.8	11.9
0	.0	2.5	12.7	3.4	.0	22	.8	17.8
-1	.0	.8	5.9	1.7	.0	10	.0	8.5
-2	.0	.8	1.7	.0	.0	3	.0	2.5
-3	.0	2.5	1.7	.0	.0	5	.0	4.2
-4	1.7	2.5	.0	.0	.0	5	.0	4.2
-5	.8	.0	.0	.0	.0	1	.0	.8
-6	.0	.8	.0	.0	.0	1	.0	.8
-7/-8	.8	.0	.0	.0	.0	1	.0	.8
-9/-10	.8	.0	.0	.0	.0	1	.0	.8
TOTAL	5	12	42	47	12	118	2	116
PCT	4.2	10.2	35.6	39.8	10.2	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	3.3	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	3.3	5.8	.0	.0	9.2	.0	.0	.0	.8	.0	.0	.8
5-6	.0	.0	.0	3.3	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	6.7	9.2	.0	.0	18.3	.0	.0	.0	.8	.0	.0	.8

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1973

NOVEMBER

AREA 0017 TIERRA DEL FUEGO
34.65 65.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	3.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	3.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	6.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7	.0	.8	.0	.0	.0	.0	.8	.8
3-4	.0	3.3	.0	.0	.0	.0	10.0	.0	.0	10.0	.0	.0	.0	10.0	10.0
5-6	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.8	.0	.0	.0	.8	.8
7	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	3.3	.0	.0	.0	3.3	3.3
8-9	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	3.3	.0	.0	.0	3.3	3.3
10-11	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	2.5	.0	2.5	.0	.0	.0	.0	4.2	.0	4.2	4.2
13-16	.0	.0	.0	3.3	3.3	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	3.3	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	3.3	3.3
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	15.8	10.0	9.2	.0	45.0	.0	.8	17.5	.0	7.5	.0	25.8	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.3	.0	.0	.0	.0	.0	3.3	30
1-2	.0	10.0	3.3	.0	.0	.0	13.3	
3-4	.0	3.3	23.3	6.7	.0	.0	33.3	
5-6	.0	.0	3.3	3.3	.0	.0	6.7	
7	.0	.0	6.7	.0	.0	.0	6.7	
8-9	.0	.0	6.7	3.3	.0	.0	10.0	
10-11	.0	.0	.0	6.7	.0	.0	6.7	
12	.0	.0	.0	.0	6.7	.0	6.7	
13-16	.0	.0	.0	3.3	3.3	.0	6.7	
17-19	.0	.0	.0	.0	3.3	.0	3.3	
20-22	.0	.0	.0	.0	3.3	.0	3.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	13.3	43.3	23.3	16.7	.0	100.0	

PERIOD: (OVER-ALL) 1964-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	.0	6.7	30.0	.0	6.7	10.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	5	
6-7	.0	.0	.0	.0	3.3	.0	3.3	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	12
8-9	.0	.0	.0	.0	3.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
10-11	.0	.0	.0	.0	.0	.0	.0	.0	3.3	3.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	17
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEX	3.3	.0	.0	.0	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	1	2	9	0	5	3	1	1	2	4	2	0	0	0	0	0	0	0	0	0	30	8
PCT	3.3	6.7	30.0	.0	16.7	10.0	3.3	3.3	6.7	13.3	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.7	.0	.0	.0	90.3
NE	9.4	.0	.0	.0	.0	.0	.0	9.4	.0	.0	15.1	.0	.0	.0	75.5
E	26.9	.0	.0	.0	.0	.0	.0	26.9	.0	.0	30.8	.0	.0	.0	42.3
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	13.3	.0	.0	.0	76.7
SW	3.5	.0	.9	.0	.0	.0	.0	4.4	5.3	.0	3.5	.0	3.5	.0	83.3
W	6.2	5.5	.0	.0	.0	.0	.0	11.7	9.7	.0	4.1	.0	.0	.0	74.5
NW	7.2	4.1	.0	.0	.0	.0	.0	11.3	4.1	.0	12.4	.0	.0	.0	72.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	5.8	2.2	.7	.0	.0	.0	.0	8.7	4.3	.0	8.7	.0	.7	.0	77.5
TOT OBS:	138														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	5.3	2.6	.0	.0	.0	.0	.0	7.9	5.3	.0	10.5	.0	.0	.0	76.3
06009	3.3	.0	3.3	.0	.0	.0	.0	6.7	.0	.0	3.3	.0	3.3	.0	86.7
12015	5.3	5.3	.0	.0	.0	.0	.0	10.5	7.9	.0	13.8	.0	.0	.0	65.8
18021	9.1	.0	.0	.0	.0	.0	.0	9.1	3.0	.0	6.1	.0	.0	.0	81.8
TOT PCT TOT OBS:	5.8 139	2.2	.7	.0	.0	.0	.0	8.6	4.3	.0	9.4	.0	.7	.0	77.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+ TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	49+				00	03	06	09	12	15	18	21
N	.6	2.9	8.1	.5	.0	.0	.0	12.2	13.2	8.1	15.9	15.6	11.1	8.6	6.3	15.4	20.8	
NE	.6	2.1	2.6	4.1	.0	.0	.0	9.4	16.4	7.3	18.2	12.5	.0	5.2	2.1	7.7	29.2	
E	.0	2.4	1.9	1.0	.0	.0	.0	5.4	12.9	5.6	.0	4.2	11.1	6.0	14.6	3.8	.0	
SE	.0	1.3	.8	.2	.0	.0	.0	2.3	11.1	9.7	.0	.0	.0	.0	2.1	1.0	.0	
S	.6	2.9	1.5	.3	.0	.0	.0	5.4	9.0	3.2	4.5	.0	8.3	6.9	20.8	5.8	.0	
SW	.0	5.7	8.0	5.0	1.3	.0	.0	20.0	17.0	21.0	13.6	27.1	30.6	23.3	12.5	14.4	12.5	
W	.0	4.2	11.9	7.0	2.6	.0	.0	25.6	19.4	33.9	13.6	13.5	11.1	31.0	29.2	27.9	29.2	
NW	.0	7.6	7.5	2.1	.6	.0	.0	17.9	13.8	11.3	34.1	18.8	27.8	19.0	12.5	20.2	8.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.9	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	8.3	.0	.0	.0	3.8	.0	
TOT DBS	6	45	65	31	7	0	154	154	15.4	31	11	24	9	29	12	26	12	
TOT PCT	3.9	29.2	42.2	20.1	4.5	.0	.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+ TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.3	8.0	2.9	.0	.0			12.2	13.2	10.1	14.4	7.9	17.1
NE	2.1	2.4	4.2	.6	.0			9.4	16.4	10.1	9.1	4.3	14.5
E	1.1	3.2	1.0	.0	.0			5.4	12.9	4.2	6.1	8.5	2.6
SE	.6	1.3	.2	.0	.0			2.3	11.1	7.1	.0	.6	.7
S	3.1	1.5	.8	.0	.0			5.4	9.0	3.6	2.3	11.0	3.9
SW	2.9	8.4	6.2	1.8	.6			20.0	17.0	19.0	28.0	20.1	13.8
W	.8	11.2	9.6	3.7	.3			25.6	19.4	28.6	12.9	30.5	28.3
NW	2.3	11.2	2.4	1.6	.3			17.9	13.8	17.3	21.2	17.1	16.4
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	1.9	.0	.0	.0	.0			1.9	.0	.0	6.1	.0	2.6
TOT DBS	25	73	42	12	2	154		15.4		42	33	41	38
TOT PCT	16.2	47.4	27.3	7.8	1.3			100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.0	2.4	31.0	42.9	21.4	2.4	.0	15.1	100.0	42
06009	6.1	.0	33.3	33.3	21.2	6.1	.0	15.0	100.0	33
12015	.0	2.4	24.4	39.0	24.4	9.8	.0	17.3	100.0	41
18021	2.6	2.6	28.9	52.6	13.2	.0	.0	13.9	100.0	38
TOT	3	3	45	65	31	7	0	15.4		154
PCT	1.9	1.9	29.2	42.2	20.1	4.5	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.9	1.5	7.8	2.8		6.1
NE	.0	.2	4.7	3.9		7.1
E	.0	.6	1.7	2.4		7.0
SE	.0	1.1	1.7	.0		5.5
S	.0	1.5	3.2	.9		5.8
SW	3.0	1.9	15.3	2.6		5.7
W	3.9	3.2	8.0	9.9		5.9
NW	1.7	2.8	7.5	2.6		5.5
VAR	.0	.0	.0	.0		5.0
CALM	.0	.9	1.7	.0		5.0
TOT OBS	11	16	60	29	116	5.9
TOT PCT	9.5	13.8	51.7	25.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	8.6	
.0	.0	.9	.0	2.2	2.8	.0	.9	.0	.0	2.2	
.0	.0	.9	.9	2.4	.0	.0	.0	.0	.0	.6	
.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	1.1	
.0	.0	.0	.0	1.5	.0	.4	.0	.0	.0	3.7	
.0	.0	.4	.9	2.4	6.7	2.7	.0	.0	.0	10.3	
.0	.0	1.3	1.7	4.3	6.0	.0	.0	.0	.0	11.6	
.0	.0	.0	.0	4.3	1.1	.0	.0	.0	.0	9.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	1.7	
.0	.0	.3	.4	2.5	2.3	.3	.1	.0	.0	.37	116
.0	.0	2.6	3.4	21.6	19.8	2.6	.9	.0	.0	49.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	DR >10	DR >5	DR >2	VSBY (NM) >1	DR >1/2	DR >1/4	DR >50YD	DR >0
DR >6500	.0	.0	.0	.0	.0	.0	.0	.0
DR >5000	.0	.9	.9	.9	.9	.9	.9	.9
DR >3500	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4
DR >2000	12.9	18.1	22.4	23.3	23.3	23.3	23.3	23.3
DR >1000	23.0	38.8	44.0	44.8	44.8	44.8	44.8	44.8
DR >600	23.0	40.5	46.6	47.4	48.3	48.3	48.3	48.3
DR >300	26.7	42.2	49.1	50.0	50.9	50.9	50.9	50.9
DR >150	26.7	42.2	49.1	50.0	50.9	50.9	50.9	50.9
DR >0	26.7	42.2	49.1	50.0	50.9	50.9	51.7	51.7
TOTAL	31	49	57	58	59	59	60	60

TOTAL NUMBER OF OBS: 116

PCT FREQ NH <5/8: 48.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
1.7	12.4	17.4	11.6	6.6	5.8	14.0	14.0	16.5	.0	121

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
1<2	PCP	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.7	.7	.0	.0	.0	1.4	
	TOT %	.0	.0	.0	.0	.0	.7	1.1	.4	.0	.0	2.2	
2<5	PCP	.0	.9	1.3	.0	.0	.0	.7	.0	.0	.0	2.9	
	NO PCP	.0	.0	.0	.0	.0	.9	2.0	.0	.0	.0	2.9	
	TOT %	.0	.9	1.3	.0	.0	.9	2.7	.0	.0	.0	5.8	
5<10	PCP	.0	.0	.0	.0	.5	.9	2.7	1.6	.0	.0	5.8	
	NO PCP	3.8	2.3	.7	.0	2.0	5.0	7.9	7.7	.0	.0	29.5	
	TOT %	3.8	2.3	.7	.0	2.5	5.9	10.6	9.4	.0	.0	35.3	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	7.4	6.3	2.0	2.3	2.9	12.9	12.4	7.7	.0	2.2	56.1	
	TOT %	7.4	6.3	2.0	2.3	2.9	12.9	12.4	7.7	.0	2.2	56.1	
TOT OBS													139
TOT PCT		11.2	9.5	4.7	2.3	5.4	20.5	26.8	17.4	.0	2.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.7	1.1	.4	.0	.0	2.2	
	TOT %	.0	.0	.0	.0	.0	.7	1.1	.4	.0	.0	2.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	
	11-21	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	1.4	
	22+	.0	.9	.5	.0	.0	.9	1.3	.0	.0	.0	3.6	
	TOT %	.0	.9	1.3	.0	.0	.9	2.7	.0	.0	.0	5.8	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.7	.0	2.0	1.6	1.8	1.8	.0	.0	7.9	
	11-21	3.8	1.6	.0	.0	.5	2.7	4.3	5.8	.0	.0	18.7	
	22+	.0	.7	.0	.0	.0	1.6	4.5	1.8	.0	.0	8.6	
	TOT %	3.8	2.3	.7	.0	2.5	5.9	10.6	9.4	.0	.0	35.3	
10+	0-3	.7	.7	.0	.0	.7	.0	.0	.0	.0	2.2	4.3	
	4-10	3.2	2.3	1.3	1.4	1.3	4.0	1.8	5.6	.0	.0	20.9	
	11-21	3.4	1.1	.7	.9	.5	5.2	6.8	1.4	.0	.0	20.1	
	22+	.0	2.2	.0	.0	.4	3.8	3.8	.7	.0	.0	10.8	
	TOT %	7.4	6.3	2.0	2.3	2.9	12.9	12.4	7.7	.0	2.2	56.1	
TOT OBS													139
TOT PCT		11.2	9.5	4.7	2.3	5.4	20.5	26.8	17.4	.0	2.2	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	6.5	3.2	16.1	16.1	3.2	3.2	.0	.0	48.4	51.6	31
06009	.0	.0	3.8	7.7	23.1	23.1	7.7	.0	.0	.0	65.4	34.6	26
12015	3.0	.0	.0	3.0	24.2	15.2	.0	.0	.0	.0	45.5	54.5	33
18021	.0	.0	.0	.0	20.0	23.3	.0	.0	.0	.0	43.3	56.7	30
TOT	1	0	3	4	25	23	3	1	0	0	60	60	120
PCT	.8	.0	2.5	3.3	20.8	19.2	2.5	.8	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	2.6	5.3	5.3	34.2	52.6	28
06009	.0	.0	.0	6.5	35.5	58.1	31
12015	2.6	.0	2.6	2.6	44.7	47.4	38
18021	.0	.0	.0	9.1	24.2	66.7	33
TOT	1	1	3	8	49	78	140
PCT	.7	.7	2.1	5.7	35.0	55.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL
(GMT)						OBS
00003	.0	10.0	13.3	36.7	50.0	30
06009	.0	3.8	15.4	50.0	34.6	26
12015	3.2	3.2	12.9	35.5	51.6	31
18021	.0	.0	10.3	34.5	55.2	29
TOT	1	5	15	45	56	116
PCT	.9	4.3	12.9	38.8	48.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
									OBS	FREQ
55/59	.0	.0	.7	.7	.0	.0	.0	.0	2	1.5
50/54	.0	.0	.0	.7	.7	3.7	3.7	1.5	14	10.4
45/49	.0	.0	.0	.0	5.9	9.6	20.7	11.1	64	47.4
40/44	.0	.0	.0	.7	3.0	3.7	18.3	15.6	93	39.3
35/39	.0	.0	.0	.0	.0	.7	.0	.7	2	1.5
TOTAL	0	0	1	3	13	24	55	39	135	100.0
PCT	.0	.0	.7	2.2	9.6	17.8	40.7	28.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.4	1.1	.0	.0	.0
2.0	.7	.0	.0	.6	1.3	1.1	3.1	.0	1.5
8.5	3.7	.6	.7	1.9	7.0	14.4	10.6	.0	.0
2.2	5.4	3.5	.9	3.0	10.7	8.0	4.8	.0	.7
.6	.2	.7	.0	.0	.0	.0	.0	.0	.0
13.3	10.0	4.8	1.7	5.4	19.4	24.6	18.5	.0	2.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	49	48	48	45	41	40	40	45.3	44
06009	51	50	50	44	40	40	40	44.6	34
12015	57	56	51	45	39	39	39	45.5	44
18021	59	58	53	47	40	39	39	46.3	37
TOT	59	57	51	45	40	39	39	45.4	159

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00003	.0	2.6	10.5	21.1	28.9	36.8	84	38
06009	.0	.0	6.9	10.3	48.3	34.5	86	29
12015	.0	5.4	5.4	16.2	45.9	27.0	83	37
18021	.0	3.1	15.6	21.9	40.6	18.8	81	32
TOT	0	4	13	24	55	40	83	136

DECEMBER

PERIOD: (PRIMARY) 1956-1970
(OVER-ALL) 1928-1970

AREA 0017 TIERRA DEL FUEGO
54.85 65.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	46 52	53 56	57 60	TOT	N FCG	W FOG
11/13	.0	.0	.0	.0	.0	.7	1	.0	.7
9/10	.0	.0	.0	.0	.7	.7	2	.0	1.5
7/8	.0	.0	.0	1.5	.0	.0	2	.0	1.5
6	.0	.0	.7	.0	.7	.0	2	.0	1.5
5	.0	.0	2.2	2.2	.0	.0	6	.0	4.4
4	.0	.7	.7	1.5	.0	.0	4	.0	2.9
3	.0	.0	4.4	1.5	.0	.0	8	1.5	4.4
2	.0	1.5	6.6	2.9	.0	.0	15	.0	11.0
1	.7	8.1	10.3	2.2	.0	.0	29	3.7	17.6
0	.7	5.1	10.3	1.5	.0	.0	24	.7	16.9
-1	.7	7.4	5.1	.0	.0	.0	18	1.5	11.8
-2	.7	6.6	.7	.0	.0	.0	11	.7	7.4
-3	.7	3.7	.0	.0	.0	.0	6	.0	4.4
-4	1.5	2.2	.0	.0	.0	.0	5	.7	2.9
-5	.0	.7	.0	.0	.0	.0	1	.0	.7
-7/-8	.0	1.5	.0	.0	.0	.0	2	.0	1.5
TOTAL	7	51	56	18	2	2	136	12	124
PCT	5.1	37.5	41.2	13.2	1.5	1.5	100.0	8.8	91.2

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.3	.0	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	1.3
1-2	.0	3.2	3.8	.0	.0	.0	7.0	.0	2.8	.0	.0	.0	.0	2.8
3-4	.0	2.5	4.1	.0	.0	.0	6.6	.0	.0	2.2	.0	.0	.0	2.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.3
8-9	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	2.5	.0	.0	2.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.3
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	5.7	9.8	.0	.0	.0	16.8	1.3	2.8	2.2	5.4	.0	.0	11.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	2.5	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	2.5	.9	.0	.0	5.7	.0	.0	.3	.0	.0	.0	.3

PERIOD: (OVER-ALL) 1963-1970

DECEMBER

AREA 0017 TIERRA DEL FUEGO
54.85 65.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3
1-2	1.3	2.2	.9	.0	.0	.0	4.4	.0	2.8	1.6	.0	.0	.0	4.4
3-4	.0	.9	.9	.0	.0	.0	1.9	.0	.3	1.3	1.3	.0	.0	2.8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.3	.0	.0	1.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.6	1.3	.0	3.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	1.3
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	3.2	1.9	.0	.0	.0	6.3	.0	5.7	4.4	3.5	2.5	.0	16.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	2.5	
1-2	.0	3.2	2.5	.0	.0	.0	5.7	.0	2.5	5.1	.0	.0	.0	7.6	
3-4	.0	1.3	.0	1.3	.0	.0	2.6	.0	1.3	.0	.0	.0	.0	1.3	
5-6	.0	1.3	2.2	2.2	.0	.0	5.7	.0	.0	.3	1.3	.0	.0	1.6	
7	.0	.0	.9	3.5	.0	.0	4.4	.0	.0	1.3	.0	.0	.0	1.3	
8-9	.0	.0	1.3	.9	2.5	.0	4.7	.0	.0	1.9	.0	.0	.0	1.9	
10-11	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.7	7.0	9.2	2.5	.0	24.4	.0	6.3	8.5	1.3	.0	.0	16.1	97.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	5.1	5.1	.0	.0	.0	.0	10.1	
1-2	1.3	17.7	16.5	.0	.0	.0	35.4	
3-4	.0	6.3	8.9	2.5	.0	.0	17.7	
5-6	.0	2.5	2.5	5.1	.0	.0	10.1	
7	.0	.0	2.5	6.3	1.3	.0	10.1	
8-9	.0	.0	5.1	3.8	2.5	.0	11.4	
10-11	.0	.0	1.3	1.3	.0	.0	2.5	
12	.0	.0	.0	1.3	.0	.0	1.3	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	1.3	.0	1.3	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.3	31.6	36.7	20.3	5.1	.0	100.0	79

PERIOD: (OVER-ALL) 1954-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.0	11.7	15.5	6.8	3.9	2.9	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	4
6-7	.0	3.9	6.8	4.9	4.9	1.0	7.8	1.9	1.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	34	7
8-9	.0	1.0	2.9	1.0	1.0	4.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
10-11	.0	4.9	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
12-13	.0	.0	.0	.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	1.0	.0	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	6
TOTAL	1	23	26	14	14	10	9	3	1	1	1	0	0	0	0	0	0	0	0	109	5
PCT	1.0	22.3	25.2	13.6	13.6	9.7	8.7	2.9	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1974
(OVER-ALL) 1921-1974

ANNUAL

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54.9S 65.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	9.5	3.1	2.4	.0	.6	.0	.0	15.5	.5	.8	13.0	.2	.0	.0	70.0
NE	14.0	4.1	3.8	.0	2.7	.0	.8	25.4	2.4	.0	11.8	.0	.0	.0	60.4
E	15.9	1.6	3.3	.0	1.9	.0	.0	22.6	3.3	.0	20.8	.0	.0	.0	45.0
SE	8.4	1.3	.5	1.0	8.5	.0	.0	18.9	.8	.0	16.3	.0	.0	.0	47.3
S	8.6	1.5	1.5	.3	9.1	.4	4.4	24.9	2.0	.0	10.4	.0	.3	.0	62.4
SW	7.2	4.8	1.9	.0	7.3	.4	3.4	25.0	4.5	.1	5.8	.0	.5	.0	64.3
W	8.0	7.5	2.9	.0	4.7	.2	1.1	23.9	2.0	.0	6.6	.0	.2	.0	67.3
NW	7.0	3.5	3.4	.0	.5	.3	1.1	15.5	1.4	.0	9.9	.0	.7	.0	72.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0	2.1	.0	.0	.0	.0	.0	3.1	1.7	.0	.0	.0	.0	.0	70.2
TOT PCT	8.5	4.7	2.7	*	3.6	.2	1.4	20.7	2.2	.2	9.8	*	.3	.0	66.8
TOT OBS:	2180														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	9.5	5.0	2.7	.1	2.2	.2	1.1	20.6	1.9	.1	10.9	.1	.0	.0	66.3
0600	8.0	5.5	4.0	.0	4.1	.0	1.0	22.3	1.3	.5	8.5	.0	.3	.0	67.2
1200	6.8	5.1	2.1	.0	4.4	.5	1.7	20.1	2.7	.2	11.2	.0	.1	.0	65.7
1800	9.2	3.4	2.2	.0	3.5	.0	1.6	19.9	2.7	.0	8.4	.0	.7	.0	68.4
TOT PCT TOT OBS:	8.4 2242	4.8	2.7	*	3.5	.2	1.4	20.7	2.2	.2	9.9	*	.2	.0	66.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.4	4.7	7.6	3.1	.3	.0		16.0	15.2	17.2	19.0	13.6	18.3	13.5	15.1	15.2	15.7
NE	.1	2.1	3.6	1.6	.1	.0		7.5	15.2	6.7	9.3	7.8	5.7	7.7	6.6	6.1	9.9
E	.1	1.4	1.5	1.0	.1	.0		4.2	13.2	6.2	4.7	5.2	3.7	3.0	2.6	4.8	2.6
SE	.1	1.3	1.1	.7	*	.0		3.2	12.2	3.5	2.6	2.8	2.4	3.6	4.1	2.8	2.5
S	.2	2.0	2.9	2.0	.7	*		7.7	16.7	7.4	6.7	6.0	7.0	8.0	9.1	9.4	9.5
SW	.3	3.1	7.1	4.4	1.2	.2		16.2	18.8	16.2	11.0	19.5	17.2	17.5	14.8	19.9	15.8
W	.2	4.2	10.7	6.9	1.9	.5		24.3	19.6	22.6	22.4	25.7	23.3	25.1	27.3	25.3	22.5
NW	.4	4.5	9.3	4.4	1.1	.1		19.7	17.0	19.0	24.3	16.6	21.2	20.1	19.2	15.8	21.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	1.2	.0	2.8	1.1	1.6	1.1	.8	.0
TOT OBS								2342		17.4							
TOT PCT	3.0	23.2	43.7	24.0	5.2	.8		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	1.8	7.7	5.4	1.2	.1		16.0	15.2	18.1	16.7	14.0	15.7	
NE	.9	3.4	2.7	.4	*		7.5	15.2	7.5	6.8	7.5	8.1	
E	1.0	1.5	1.2	.4	.1		4.2	13.2	5.8	4.2	2.9	3.9	
SE	.6	1.3	.8	.5	.0		3.2	12.2	3.3	2.9	3.9	2.6	
S	1.0	2.7	2.5	1.4	.2		7.7	16.7	7.2	6.2	8.2	9.2	
SW	1.6	5.8	5.8	2.6	.5		16.2	18.8	14.3	17.4	16.5	17.1	
W	1.2	8.8	9.4	3.9	1.0		24.3	19.6	22.9	25.1	25.8	23.6	
NW	1.9	7.7	7.5	2.1	.5		19.7	17.0	20.3	18.8	19.9	19.5	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.2						1.2	.0	.7	1.9	1.4	.5	
TOT OBS						2342		17.4	645	502	664	531	
TOT PCT	11.2	38.8	35.2	12.4	2.4		100.0		100.0	100.0	100.0	100.0	

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOOR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	.7	1.1	24.9	45.5	22.2	4.5	1.1	17.1	100.0	645
0600	1.9	2.5	25.4	37.5	24.8	7.1	.7	17.4	100.0	502
1200	1.4	1.8	20.8	43.7	26.0	5.7	.6	17.9	100.0	664
1800	.5	2.1	22.8	46.5	23.2	4.1	.9	17.0	100.0	531
TOT								17.4		2342
PCT	1.2	1.8	23.2	43.7	24.0	5.2	.8		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	1.1	1.8	5.2	8.3		6.2
NE	.8	.4	1.8	3.7		6.3
E	.1	.4	2.1	2.7		5.7
SE	1.0	.3	.9	1.1		3.7
S	.3	.8	3.4	3.3		4.9
SW	4.1	1.5	7.3	9.9		5.4
W	4.6	2.7	8.0	9.4		5.9
NW	1.9	2.6	5.5	5.6		5.1
VAR	.0	.0	.0	.0		.0
CALM	.2	.5	.6	.1		2.5
TOT OBS					993	5.9
TOT PCT	14.1	11.0	34.7	40.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.3	.0	.2	2.6	3.2	2.1	.1	.1	.9	.1	6.8	
NE	.5	.0	.1	.1	2.1	1.1	.2	.1	.2	.0	2.2	
E	.1	.0	.8	.8	1.7	.6	.3	.1	.0	.1	1.5	
SE	.1	.0	.3	.3	.6	.4	.2	.0	.0	.1	1.6	
S	.0	.0	.0	.4	3.3	1.1	.6	.0	.2	.0	2.3	
SW	.1	.1	1.7	3.3	2.3	.7	.1	.1	.1	.1	8.7	
W	.1	.4	1.9	4.6	4.0	.9	.1	.1	.1	.1	12.4	
NW	.0	.0	.2	.9	2.1	1.1	.6	.0	.2	.8	9.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	1.2	
TOT OBS											993	
TOT PCT	1.2	*	1.1	8.9	22.9	12.8	3.4	.5	1.6	1.2	46.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8
= OR >5000	1.7	3.2	3.2	3.2	3.2	3.2	3.2	3.2
= OR >3500	3.1	6.6	7.0	7.0	7.0	7.0	7.0	7.0
= OR >2000	11.8	18.7	19.6	19.7	19.7	19.7	19.7	19.7
= OR >1000	21.9	38.5	41.3	41.8	42.0	42.0	42.0	42.0
= OR >600	24.9	45.8	49.2	50.0	50.2	50.3	50.4	50.4
= OR >300	25.6	46.9	50.4	51.2	51.5	51.5	51.7	51.7
= OR >150	25.6	46.9	50.4	51.3	51.5	51.6	51.7	51.7
= OR >0	25.6	46.9	50.5	51.5	51.7	52.4	52.9	52.9

TOTAL NUMBER OF OBS: 1021

PCT FREQ NH <5/8: 47.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
9.2	9.1	11.1	7.1	8.3	7.3	11.6	8.4	26.9	.9	1078

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	*	.1	.0	.0	*	*	*	*	.0	.0	.2	
	NO PCP	.3	.2	.1	.1	*	.1	*	*	.0	.0	.7	
	TOT %	.3	.2	.1	.1	.1	.1	.1	.1	.0	.0	1.0	
1/2<1	PCP	.1	.1	.1	.1	.1	.1	.1	.2	.0	*	.9	
	NO PCP	.4	*	.1	.0	.1	.2	.2	.2	.0	.0	1.3	
	TOT %	.5	.1	.2	.1	.2	.3	.4	.4	.0	*	2.2	
1<2	PCP	.2	.1	.1	.1	.1	.1	.3	.3	.0	.0	1.2	
	NO PCP	.1	.1	.0	.0	.1	.1	.1	.1	.0	.0	.7	
	TOT %	.3	.1	.1	.1	.2	.2	.4	.4	.0	.0	1.9	
2<5	PCP	.2	.3	.3	*	.1	.3	.5	.3	.0	.0	2.1	
	NO PCP	.2	.1	.1	.0	.1	.2	.4	.1	.0	.0	1.3	
	TOT %	.4	.4	.4	*	.2	.5	1.0	.4	.0	.0	3.3	
5<10	PCP	1.5	1.2	.7	.6	1.1	2.9	4.0	2.2	.0	*	14.2	
	NO PCP	6.6	2.9	1.6	1.2	3.2	6.1	9.1	9.7	.0	.3	40.7	
	TOT %	8.0	4.2	2.2	1.8	4.4	8.9	13.1	11.9	.0	.4	55.0	
10+	PCP	.4	*	*	.0	.1	.6	.9	.2	.0	.0	2.2	
	NO PCP	6.5	2.6	1.2	.8	2.3	5.8	8.6	6.1	.0	.7	34.5	
	TOT %	6.9	2.6	1.2	.8	2.3	6.3	9.5	6.4	.0	.7	36.7	
TOT OBS		2173											
TOT PCT		16.4	7.7	4.2	2.9	7.3	16.3	24.5	19.6	.0	1.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.0	.0	*	*	.1	.0	*	.0	.0	.3	
	11-21	.1	.2	.1	*	.0	.0	.1	*	.0	.0	.5	
	22+	*	.1	.0	.0	*	*	*	.0	.0	.0	.2	
	TOT %	.3	.2	.1	.1	.1	.1	.2	.1	.0	.0	1.0	
1/2<1	0-3	.1	.0	.0	.0	*	*	.0	.0	.0	*	.1	
	4-10	.2	.1	.1	.0	.0	*	*	.1	.0	.0	.5	
	11-21	.2	.0	.1	.1	.0	.2	.3	.2	.0	.0	1.0	
	22+	.1	*	*	.1	.2	*	.1	.2	.0	.0	.7	
	TOT %	.5	.1	.2	.1	.2	.3	.4	.4	.0	*	2.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.1	.0	*	*	*	.1	.1	.0	.0	.4	
	11-21	.1	.1	.1	.1	.2	.1	.1	.3	.0	.0	.9	
	22+	.1	.0	.0	*	.1	.1	.3	.1	.0	.0	.7	
	TOT %	.3	.1	.1	.1	.3	.3	.5	.4	.0	.0	2.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	*	.0	.1	.1	
	4-10	.1	*	.1	*	.1	.0	.1	.1	.0	.0	.5	
	11-21	.1	.1	.1	.0	.3	.1	.3	.1	.0	.0	1.2	
	22+	.1	.3	.3	.2	.2	.4	.7	.2	.0	.0	2.4	
	TOT %	.4	.4	.5	.2	.5	.5	1.1	.5	.0	.1	4.3	
5<10	0-3	.1	*	*	.1	.1	.1	*	.2	.0	.4	1.1	
	4-10	2.0	1.2	.7	.9	1.1	1.2	1.6	2.2	.0	.0	10.8	
	11-21	3.6	2.2	.9	.5	1.4	4.0	5.5	5.5	.0	.0	23.6	
	22+	2.2	.7	.5	.3	1.7	3.5	5.7	3.8	.0	.0	18.4	
	TOT %	7.9	4.1	2.2	1.7	4.3	8.8	12.8	11.7	.0	.4	53.9	
10+	0-3	.2	*	*	.0	.1	.2	.1	*	.0	.7	1.4	
	4-10	2.1	.7	.6	.4	.7	1.6	2.2	1.6	.0	.0	9.9	
	11-21	3.6	1.1	.3	.3	.9	2.7	4.4	3.7	.0	.0	16.0	
	22+	.9	.5	.2	.1	.6	1.8	2.7	1.3	.0	.0	8.5	
	TOT %	6.9	2.6	1.2	.8	2.3	6.3	9.4	6.3	.0	.7	36.3	
TOT OBS		2206											
TOT PCT		16.3	7.6	4.2	3.1	7.7	16.2	24.4	19.4	.0	1.2	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.5	.0	3.7	4.3	19.3	10.7	4.7	.5	1.5	2.5	47.6	52.4	245
06009	1.6	.0	.5	8.9	21.5	12.8	4.8	.2	1.5	2.4	54.3	45.7	229
12015	1.9	.0	.3	7.9	23.4	15.0	2.4	.5	2.4	.5	54.2	45.8	286
18021	.4	.2	.3	11.1	26.7	11.4	3.9	.6	.5	.2	55.4	44.6	272
TOT PCT	1.2	*	1.2	8.3	22.2	12.6	3.7	.5	1.6	1.2	52.5	47.5	1032 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	.7	1.9	2.8	4.0	59.1	31.5	626
06009	1.4	2.4	1.9	4.5	55.4	34.5	489
12015	1.9	2.6	1.9	3.3	54.7	35.6	643
18021	.7	2.7	1.2	5.5	45.2	44.6	514
TOT PCT	1.2	2.3	2.0	4.3	53.8	36.4	2268 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.5	5.1	12.6	36.0	51.4	245
06009	1.6	2.1	13.4	40.1	44.5	229
12015	2.0	2.5	13.4	42.0	44.6	281
18021	.4	1.4	17.8	39.6	42.6	268
TOT PCT	1.2	2.9	15.3	38.5	46.1	1021 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.1	.2	.2	.2	*	.0	.7	.7
50/54	.0	.0	.0	.2	1.0	2.0	2.8	.9	6.9	6.9
45/49	.0	.0	.0	.4	2.4	8.0	10.9	7.2	28.9	28.9
40/44	.0	.0	.0	.2	3.0	8.4	14.9	15.2	41.8	41.8
35/39	.0	.0	.0	.3	1.4	3.7	5.2	6.2	16.9	16.9
30/34	.0	.0	.0	.0	.5	1.2	1.8	1.1	4.7	4.7
25/29	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2
TOTAL PCT	.0	.0	.1	1.3	5.6	23.4	35.7	30.9	1875	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.1	*	*	*	*	.1	.2	*	.0	.1
1.4	.5	.2	.1	.3	.6	1.4	2.3	.0	.2
5.0	2.1	.9	.6	1.1	3.4	8.9	6.5	.0	.4
7.3	3.0	1.5	.6	2.1	7.3	11.7	7.9	.0	.4
1.9	1.7	1.3	.8	1.9	3.8	3.5	1.7	.0	.2
.0	.1	.3	.4	1.5	1.6	.5	.3	.0	.0
.0	.0	.0	.0	.1	.1	.0	.0	.0	.0
15.6	7.5	4.2	2.6	6.9	17.0	26.3	18.7	.0	1.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	58	48	47	43	36	34	25	43.1	668
06009	55	48	48	42	36	34	26	42.9	519
12015	57	50	49	43	37	34	26	43.5	696
18021	59	50	49	44	37	35	25	44.2	550
TOT	59	51	49	43	36	34	25	43.4	2433

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	6.4	24.8	34.1	33.5	84	542
06009	.0	.7	7.5	21.8	33.8	36.2	84	407
12015	.0	1.8	9.1	21.8	38.1	29.2	83	541
18021	.0	2.0	12.0	23.9	34.5	27.6	82	437
TOT	0	2.9	17.2	44.7	67.7	60.2	83	1927

PERIOD: (PRIMARY) 1923-1974
(OVER-ALL) 1921-1974

ANNUAL

AREA 0017 TIERRA DEL FUEGO
54.9S 65.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP C/F	25 28	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.1	*	.1	3	.0	.2
9/10	.0	.0	.0	.0	.0	.1	.1	.1	.1	10	.0	.4
7/8	.0	.0	.0	.0	*	.2	.4	.1	.1	18	.0	.8
6	.0	.0	.0	.0	*	.2	.4	.3	.0	26	*	1.0
5	.0	.0	.0	.2	.0	1.0	1.1	.4	.0	60	.1	2.5
4	.0	.0	.0	.0	.9	1.6	1.0	.2	.0	80	.2	3.4
3	.0	.0	.1	.1	1.1	2.6	1.5	.2	.0	128	.5	5.1
2	.0	.0	.0	.2	3.1	4.0	1.6	.0	.0	189	.4	8.3
1	.0	.0	.0	.3	6.1	4.5	1.3	.0	.0	249	1.5	10.3
0	.0	.0	.1	1.3	6.1	4.4	1.3	.0	.0	289	1.5	11.7
-1	.0	.1	.3	2.2	5.8	2.9	.3	.0	.0	244	1.2	10.3
-2	.0	.1	.2	3.5	4.7	2.0	.1	.0	.0	220	1.3	9.3
-3	.0	*	.2	3.1	2.3	1.1	*	.0	.0	146	.6	6.1
-4	.0	.1	1.2	2.5	2.2	.3	*	.0	.0	136	.2	6.1
-5	.0	.0	1.2	2.3	1.3	.3	*	.0	.0	113	.5	4.7
-6	.0	.0	1.5	1.4	.6	.1	.0	.0	.0	80	.3	3.4
-7/-8	.0	.7	2.3	1.1	.6	.1	.0	.0	.0	105	.3	4.6
-9/-10	.1	.7	1.1	.1	*	.0	.0	.0	.0	40	.3	1.8
-11/-13	.1	.1	.2	.0	.0	.0	.0	.0	.0	8	.1	.3
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
-17/-19	.0	.1	.0	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL										2146		
PCT	.3	2.0	8.5	18.3	34.9	25.3	9.2	1.4	.3	100.0	9.5	90.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.2	.1	.0	.0	.0	.6	.1	.2	.0	.0	.0	.0	.3
1-2	.0	1.3	2.4	.0	.0	.0	3.8	.0	.7	1.4	.0	.0	.0	2.1
3-4	.0	1.0	2.4	.5	.0	.0	3.9	.0	*	2.0	.4	.0	.0	2.4
5-6	.0	.0	2.4	.7	.0	.0	3.1	.0	.0	.7	.3	.0	.0	1.0
7	.0	.0	1.3	.7	.2	.0	2.2	.0	.0	.6	.8	.4	.0	1.8
8-9	.0	.0	1.9	.5	.0	.0	2.4	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	2.6	10.6	2.4	.2	.0	16.1	.1	.8	4.7	2.8	.4	.0	8.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.5	.4	.0	.0	.0	1.9	.0	4.3	.2	.0	.0	.0	4.5
3-4	.0	.0	3.2	1.4	.0	.0	4.6	.0	.1	1.2	*	.0	.0	1.3
5-6	.0	.0	1.5	.2	.0	.0	1.7	.0	.1	*	*	.0	.0	.1
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.2
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.8	5.1	1.7	.0	.0	8.6	.0	4.4	1.4	.2	.1	.0	6.2

PERIOD: (OVER-ALL) 1963-1974

ANNUAL

AREA 0017 TIEPRA DEL FUEGO
54.95 65.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT PCT
<1	.0	.3	.0	.0	.0	.0	.3	.0	.4	.0	.0	.0	.0	.4	
1-2	.1	.4	.6	.0	.0	.0	1.1	.0	.7	1.1	.0	.0	.0	1.8	
3-4	.0	1.0	1.5	.2	.0	.0	2.8	.0	.8	.8	.2	.0	.0	1.7	
5-6	.0	.0	.0	.2	.0	.0	.2	.0	.2	.3	.3	.1	.0	.8	
7	.0	.0	.1	.1	.0	.0	.1	.0	.2	1.8	.4	.2	.0	2.5	
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.4	.0	.0	.4	
10-11	.0	.0	.1	.4	.0	.0	.4	.0	.0	.1	.0	.1	.0	.2	
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.0	.3	.5	.0	.8	.0	.0	.0	.9	.1	.0	1.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.9	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.2	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	1.7	2.3	1.3	.5	.0	6.0	.0	2.2	4.1	3.1	.5	1.3	11.3	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.1	.0	.1	.0	.0	.0	.1	.0	.3	.0	.0	.0	.0	.3	
1-2	.0	1.2	1.3	.0	.0	.0	2.6	.0	.9	1.6	.0	.0	.0	2.5	
3-4	.0	1.9	1.4	.7	.0	.0	4.0	.0	.6	1.9	.0	.0	.0	2.5	
5-6	.0	.2	1.1	.7	.0	.0	1.9	.0	.0	2.1	.3	.0	.0	2.5	
7	.0	.4	1.0	11.0	.0	.0	12.4	.0	.0	.6	.3	.3	.0	1.3	
8-9	.0	.0	.5	1.5	.2	.0	2.2	.0	.0	.6	.2	.0	.0	.0	
10-11	.0	.0	2.8	1.4	.0	.0	4.3	.0	.0	.0	.3	.0	.0	.3	
12	.0	.0	.0	.3	.3	.0	.3	.0	.0	.0	.0	.4	.0	.4	
13-16	.0	.0	.0	.4	.3	.0	.7	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.1	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.3	.0	.3	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.1	3.7	8.2	15.7	1.1	.4	29.2	.0	1.8	7.0	1.3	1.0	.0	11.0	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.7	1.6	.2	.0	.0	.0	7.5	
1-2	.2	9.7	9.0	.0	.0	.0	18.9	
3-4	.6	5.2	13.0	3.4	.0	.0	22.3	
5-6	.0	.4	8.2	2.7	.1	.0	11.3	
7	.0	.7	5.4	13.4	1.0	.0	20.4	
8-9	.0	.0	3.1	2.9	.2	.0	6.2	
10-11	.0	.0	3.0	3.0	.1	.0	6.1	
12	.0	.0	.0	.4	.7	.0	1.1	
13-16	.0	.0	.0	1.8	1.0	.0	2.7	
17-19	.0	.0	.0	.9	.3	.0	1.2	
20-22	.0	.0	.0	.1	.5	.0	.5	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.6	.6	
33-40	.0	.0	.0	.0	.0	1.1	1.1	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.4	17.7	41.8	28.6	3.8	1.7	100.0	555

PERIOD: (OVER-ALL) 1957-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.3	8.5	11.2	4.2	3.3	2.2	1.8	.6	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	361	4
6-7	.0	.9	4.3	4.0	4.4	3.0	2.2	.5	.5	.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	210	6
8-9	.0	.1	2.4	1.3	3.5	4.7	2.4	1.4	.7	1.2	.5	.2	.0	.0	.0	.0	.0	.0	.0	120	8
10-11	.0	.9	.2	.1	1.1	1.0	1.0	2.3	1.0	.8	1.1	.0	.5	.0	.0	.0	.0	.0	.0	76	10
12-13	.0	.0	.8	.4	.3	.5	.6	.4	.3	.0	.7	.0	.8	.7	.0	.0	.0	.0	.0	37	14
>13	.0	.0	.0	.3	.1	.1	.1	.3	.4	.2	.5	.0	1.0	.0	.0	.0	.0	.0	.0	19	14
INDET	1.7	.3	1.8	1.4	1.7	.0	1.2	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	5
TOTAL																				873	6
PCT	2.0	10.6	20.8	11.7	14.3	11.5	9.2	6.3	3.9	3.3	3.3	.2	2.3	.7	1.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1923-1974
(OVER-ALL) 1921-1974

TABLE 20

AREA 0017 TIERRA DEL FUEGO
54.9S 65.4W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	*
53/54	.4	.4	.2	.0	.9	.0	.0	.0	.0	.0	.0	.0	6	.2
51/52	1.6	1.6	1.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	23	.8
49/50	16.6	23.2	14.5	4.5	1.7	.6	.0	.0	.0	.0	.6	3.1	256	8.7
47/48	29.2	36.3	22.0	23.0	6.4	.0	.9	2.7	.0	.0	4.2	16.0	493	16.8
45/46	19.8	28.1	20.6	32.0	22.6	7.9	8.7	1.4	4.3	9.5	26.2	36.9	611	20.8
43/44	21.7	9.0	27.9	16.7	22.2	29.7	26.5	23.0	24.5	44.8	39.3	25.3	683	23.3
41/42	6.7	1.0	11.7	17.8	30.3	25.5	36.5	29.7	43.2	28.6	20.8	14.7	524	17.9
39/40	3.6	.4	.6	5.2	12.0	26.7	17.4	29.1	28.1	13.3	8.9	3.6	257	8.8
37/38	.0	.0	.2	.7	2.1	6.1	6.4	8.1	.0	3.8	.0	.0	48	1.6
35/36	.0	.0	.2	.0	.9	2.4	3.2	2.7	.0	.0	.0	.0	18	.6
33/34	.0	.0	.4	.0	.4	.6	.0	2.0	.0	.0	.0	.0	7	.2
31/32	.0	.0	.0	.0	.0	.6	.5	.7	.0	.0	.0	.0	3	.1
29/30	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	1	*
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	253	501	505	269	234	165	219	148	139	105	168	225	2931	100.0
MEAN	46.0	47.0	45.5	44.6	43.0	41.4	41.5	40.6	41.6	42.5	43.4	44.7	43.4	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	997	1001	998	998	997	997	998	998	998	223
FEB	996	996	998	997	997	998	997	998	997	361
MAR	1001	1000	999	998	999	999	1001	1000	1000	295
APR	999	997	1006	998	998	998	1005	997	999	244
MAY	999	999	999	997	996	996	1003	999	998	179
JUN	1006	1001	1011	1001	1001	1003	998	1001	1002	130
JUL	998	1001	996	999	998	1000	996	998	999	213
AUG	1001	998	999	998	1002	999	1005	997	1000	144
SEP	1002	1006	1007	1007	1006	1006	1003	1002	1005	120
OCT	998	997	1002	996	997	997	1000	995	997	97
NOV	996	996	996	997	997	993	993	996	996	143
DEC	997	998	999	998	997	1001	999	1002	998	157
ANN	989	999	1001	999	999	999	1000	999	999	2306
OBS	402	237	218	268	407	252	249	273		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	978	980	983	991	997	1003	1015	1020	1021
FEB	974	978	981	992	997	1003	1010	1018	1020
MAR	970	976	981	994	1001	1006	1011	1019	1022
APR	968	970	979	991	998	1008	1017	1020	1021
MAY	975	975	980	989	996	1008	1016	1018	1018
JUN	979	980	983	992	1002	1013	1021	1025	1026
JUL	968	969	976	990	1000	1006	1017	1019	1020
AUG	970	970	977	992	998	1010	1023	1026	1028
SEP	981	983	985	997	1003	1013	1027	1027	1028
OCT	982	982	984	992	997	1002	1014	1017	1018
NOV	969	972	980	989	995	1004	1009	1014	1025
DEC	976	977	981	988	998	1010	1015	1018	1019

PERIOD: (PRIMARY) 1906-1976
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WNO DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	8.3	.0	2.8	.0	.0	.0	.0	11.0	.0	.0	11.7	2.1	2.8	.0	72.4
NE	24.5	4.1	4.1	.0	.0	.0	.0	30.6	.0	.0	15.3	.0	.0	.0	54.1
E	22.4	.0	12.2	.0	.0	.0	.0	30.6	.0	.0	8.2	.0	.0	.0	61.2
SE	13.5	.0	.0	.0	.0	.0	.0	13.5	.0	.0	2.7	.0	.0	.0	83.8
S	14.2	4.5	4.0	.0	.0	.0	.0	22.7	.0	.0	2.8	.0	.0	2.3	72.2
SW	5.6	1.1	.4	.0	.0	.0	.9	8.1	2.9	.0	3.1	.0	.0	.0	85.9
W	4.6	3.6	1.0	.0	.0	.0	.0	9.2	1.5	.0	2.7	.8	.8	.0	84.9
NW	14.3	1.5	8.2	.0	.0	.0	.0	24.0	.0	.0	8.9	.3	.0	.0	66.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	9.8	2.2	3.3	.0	.0	.0	.2	15.3	1.1	.0	5.7	.4	.4	.2	76.8
TOT OBS:	457														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	10.8	2.9	3.6	.0	.0	.0	.7	18.0	1.4	.0	4.3	.7	.7	.0	74.8
06009	8.8	1.1	3.3	.0	.0	.0	.0	13.2	3.3	.0	7.7	.0	.0	.0	75.8
12015	11.2	1.3	3.3	.0	.0	.0	.0	15.1	.0	.0	4.6	.7	.7	.7	78.3
18021	5.9	3.9	2.9	.0	.0	.0	.0	12.7	1.0	.0	8.8	.0	.0	.0	77.5
TOT PCT TOT OBS:	9.5 484	2.3	3.3	.0	.0	.0	.2	15.1	1.2	.0	6.0	.4	.4	.2	76.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.8	4.1	4.2	1.4	.2	.0		10.7	13.0	11.6	10.9	8.4	9.5	9.0	12.0	12.9	10.8
NE	.3	1.6	1.9	.5	.1	.0		4.4	13.6	5.4	5.6	8.4	2.9	3.9	4.2	4.4	4.0
E	.3	1.2	1.1	.8	.8	.0		4.0	17.7	3.9	2.4	1.6	4.7	4.2	4.5	8.0	3.2
SE	.8	1.1	1.1	1.2	.7	.0		4.9	17.1	5.5	5.6	.5	8.8	4.0	4.7	2.4	6.1
S	.3	3.0	3.1	2.7	1.0	.1		10.2	18.6	8.3	12.9	4.8	14.8	13.2	7.6	6.9	9.5
SW	.9	6.2	9.5	4.9	.6	.2		22.3	15.8	23.0	20.6	20.2	20.6	22.4	23.1	21.8	23.9
W	.6	5.8	10.0	3.1	.8	.3		20.7	15.7	22.0	16.5	35.1	17.5	22.9	20.5	26.2	15.1
NW	1.3	8.2	9.4	2.7	.3	*		22.0	13.2	19.4	24.6	22.9	23.4	20.0	22.2	17.7	26.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	1.0	.8	2.1	.0	.5	1.1	1.6	.7
TOT OBS	74	373	483	206	53	7	1196	15.1		200	124	47	137	212	275	62	139
TOT PCT	6.2	31.2	40.4	17.2	4.4	.6		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	2.1	5.2	3.0	.2	.2		10.7	13.0	11.3	8.7	10.7	11.4	
NE	.9	1.9	1.3	.2	*		4.4	13.6	5.5	3.8	4.0	4.1	
E	.9	1.3	1.1	.3	.4		4.0	17.7	3.3	3.9	4.4	4.1	
SE	1.3	1.2	1.2	1.0	.2		4.9	17.1	5.6	5.0	4.4	5.0	
S	1.3	3.5	2.8	2.3	.3		10.2	18.6	10.0	12.2	10.1	8.7	
SW	3.2	8.8	8.2	1.9	.2		22.3	15.8	22.1	20.5	22.8	23.3	
W	2.8	9.6	6.2	1.6	.5		20.7	15.7	19.9	22.0	21.6	18.5	
NW	2.9	11.4	5.6	1.0	.1		22.0	13.2	21.4	23.2	21.3	23.9	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.8						.8	.0	.9	.5	.8	1.0	
TOT OBS	206	513	353	101	23	1196		15.1	324	184	487	201	
TOT PCT	17.2	42.9	29.5	8.4	1.9		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1906-1976
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	.9	5.9	29.0	41.7	18.8	3.4	.3	14.8	100.0	324
0600	.5	8.7	32.1	35.9	17.9	4.3	.5	14.7	100.0	184
1200	.8	4.5	31.4	40.9	15.8	5.5	1.0	15.7	100.0	487
1800	1.0	3.5	33.3	41.3	17.4	3.5	.0	14.7	100.0	201
TOT	10	64	373	483	206	53	7	15.1		1196
PCT	.8	5.4	31.2	40.4	17.2	4.4	.6		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.0	.4	2.8	3.8		5.8
NE	.8	.0	2.7	2.8		6.3
E	.0	.0	1.5	1.8		7.3
SE	.0	.0	.5	.8		7.0
S	.0	.3	3.4	3.5		7.0
SW	2.9	3.3	17.2	3.9		5.7
W	5.3	6.1	12.0	5.1		4.9
NW	2.3	.9	5.0	7.8		6.2
VAR	.0	.0	.0	.0		.0
CALM	.4	.4	.0	.0		2.5
TOT OBS	34	28	110	72	244	5.7
TOT PCT	13.9	11.5	45.1	29.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.3	.0	.0	.9	1.3	.4	.2	.0	.0	.0	5.8	
NE	.1	.0	.0	.7	2.4	.0	.0	.4	.4	.4	2.3	
E	.4	.0	.0	.0	1.3	.0	.4	.0	.0	.0	1.2	
SE	.1	.0	.0	.0	.4	.8	.0	.0	.0	.0	.0	
S	.3	.0	.0	1.9	3.4	.0	.4	.0	.0	.0	1.1	
SW	.0	.0	.0	1.8	4.6	5.7	1.6	.0	.0	.0	13.4	
W	.0	.4	.0	1.1	2.4	4.1	2.4	.0	.0	.0	17.4	
NW	1.2	.0	.0	1.2	2.7	2.0	.7	.0	.0	.0	8.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
TOT OBS	6	1	0	19	45	32	14	0	1	3	123	244
TOT PCT	2.5	.4	.0	7.8	18.4	13.1	5.7	.0	.4	1.2	50.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
>5000	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
>3500	6.9	7.3	7.3	7.3	7.3	7.3	7.3	7.3
>2000	15.8	19.8	20.2	20.2	20.2	20.2	20.2	20.2
>1000	28.3	36.8	39.7	39.7	39.7	40.1	40.1	40.1
>600	32.8	43.7	47.4	47.4	47.4	47.8	47.8	47.8
>300	32.8	43.7	47.4	47.4	47.4	47.8	47.8	47.8
>150	32.8	43.7	47.4	47.8	47.8	48.2	48.2	48.2
>0	32.8	43.7	47.4	47.8	47.8	49.4	50.2	50.6
TOTAL	81	108	117	118	118	122	124	125

TOTAL NUMBER OF OBS: 247

PCT FREQ NH <5/8: 49.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
	9.1	10.6	11.8	8.7	8.7	6.7	12.2	11.8	17.7	254

PERIOD: (PRIMARY) 1906-1976
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.2	.2	.0	.0	.2	.2	.2	.0	.0	1.1	
	NO PCP	.2	.1	.2	.1	.3	.1	.2	.4	.0	.0	1.6	
	TOT %	.2	.3	.4	.1	.3	.3	.4	.7	.0	.0	2.7	
1/2<1	PCP	.0	.0	.0	.0	.2	.0	.0	.4	.0	.0	.7	
	NO PCP	.4	.1	.0	.0	.0	.0	.0	.4	.0	.0	.9	
	TOT %	.4	.1	.0	.0	.2	.0	.0	.9	.0	.0	1.6	
1<2	PCP	.2	.0	.2	.1	.2	.3	.1	.6	.0	.0	2.0	
	NO PCP	.0	.0	.1	.1	.0	.2	.2	.4	.0	.0	1.1	
	TOT %	.2	.0	.3	.2	.2	.6	.3	1.2	.0	.0	3.1	
2<5	PCP	.0	.4	.2	.2	1.0	.4	.1	1.0	.0	.0	3.3	
	NO PCP	.7	.6	.1	.2	.3	.9	1.4	1.4	.0	.0	5.8	
	TOT %	.7	1.1	.3	.4	1.3	1.3	1.6	2.4	.0	.0	9.1	
5<10	PCP	.3	.9	.0	.0	.3	.5	.9	1.9	.0	.0	4.9	
	NO PCP	1.2	1.3	.0	.9	3.2	3.5	3.7	4.1	.0	.0	21.8	
	TOT %	1.5	2.2	.0	.9	3.6	6.0	6.6	6.0	.0	.0	26.7	
10+	PCP	.3	.1	.2	.0	.2	.5	.9	.1	.0	.0	2.4	
	NO PCP	4.7	1.8	1.4	.3	3.7	13.7	16.5	9.5	.0	.4	54.3	
	TOT %	5.1	1.9	1.7	.3	4.0	16.2	17.5	9.6	.0	.4	56.8	
TOT OBS		449											
TOT PCT		8.1	5.5	2.7	2.1	9.6	24.4	26.4	20.8	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	4-10	.2	.2	.3	.1	.3	.1	.2	.0	.0	.0	1.3	
	11-21	.0	.1	.1	.0	.0	.1	.1	.2	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	
	TOT %	.2	.3	.4	.1	.3	.3	.4	.7	.0	.0	2.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	11-21	.4	.1	.0	.0	.2	.0	.0	.4	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.1	.0	.0	.2	.0	.0	.9	.0	.0	1.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	
	4-10	.2	.0	.0	.0	.0	.0	.0	.7	.0	.0	.9	
	11-21	.0	.0	.1	.1	.0	.2	.2	.2	.0	.0	.9	
	22+	.0	.0	.2	.1	.2	.3	.0	.0	.0	.0	.9	
	TOT %	.2	.0	.3	.2	.2	.6	.3	1.2	.0	.0	3.1	
2<5	0-3	.0	.2	.0	.0	.0	.0	.1	.3	.0	.0	.7	
	4-10	.6	.1	.0	.1	.6	.3	1.2	1.1	.0	.0	4.0	
	11-21	.0	.4	.1	.2	.3	.8	.2	1.0	.0	.0	3.1	
	22+	.2	.3	.2	.1	.4	.2	.0	.0	.0	.0	1.3	
	TOT %	.7	1.1	.3	.4	1.3	1.3	1.6	2.4	.0	.0	9.1	
5<10	0-3	.4	.2	.0	.2	.2	.0	.3	.6	.0	.0	2.0	
	4-10	.3	.2	.0	.4	1.8	2.5	2.6	2.3	.0	.0	10.2	
	11-21	.7	1.5	.0	.0	.8	2.2	3.4	2.7	.0	.0	11.3	
	22+	.0	.2	.0	.2	.7	1.3	.3	.4	.0	.0	3.1	
	TOT %	1.5	2.2	.0	.9	3.6	5.9	6.6	6.0	.0	.0	26.7	
10+	0-3	.2	.0	.0	.0	.0	.7	.1	.3	.0	.4	1.8	
	4-10	1.8	.9	1.1	.2	1.0	4.2	4.2	3.4	.0	.0	16.7	
	11-21	2.4	.9	.4	.3	1.3	7.7	10.6	4.6	.0	.0	28.2	
	22+	.7	.3	.2	.1	1.6	3.6	2.6	1.2	.0	.0	10.2	
	TOT %	5.1	2.1	1.7	.5	3.9	16.2	17.4	9.6	.0	.4	56.9	
TOT OBS		450											
TOT PCT		8.1	5.7	2.7	2.1	9.6	24.3	26.4	20.8	.0	.4	100.0	

JANUARY

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1869-1976

AREA 0018 FALKLAND ISLANDS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	1.6	1.6	.0	3.1	23.4	9.4	6.3	.0	.0	1.6	46.9	53.1	64
06009	4.1	.0	.0	10.2	22.4	18.4	.0	.0	.0	4.1	59.2	40.8	49
12015	1.3	.0	.0	10.7	17.3	9.3	8.0	.0	1.3	.0	48.0	52.0	75
18021	4.8	.0	.0	6.5	16.1	16.1	6.5	.0	.0	.0	50.0	50.0	62
TOT	7	1	0	19	49	32	14	0	1	3	126	124	250
PCT	2.8	.4	.0	7.6	19.6	12.8	5.6	.0	.4	1.2	50.4	49.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	3.7	2.2	5.1	10.3	31.6	47.1	136
06009	5.6	2.2	3.3	7.8	30.0	51.1	90
12015	2.0	1.3	2.0	8.6	27.0	59.2	152
18021	2.0	1.0	2.0	8.1	18.2	68.7	99
TOT	15	8	15	42	129	268	477
PCT	3.1	1.7	3.1	8.8	27.0	56.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
(GMT)						
00003	1.6	4.8	9.5	38.1	52.4	63
06009	4.1	4.1	16.3	42.9	40.8	49
12015	1.4	1.4	16.2	32.4	51.4	74
18021	3.3	3.3	14.8	36.1	49.2	61
TOT	6	8	35	91	121	247
PCT	2.4	3.2	14.2	36.8	49.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.0	.3	.6	.0	.0	3	.9
59/59	.0	.0	.0	.0	.3	.6	2.6	1.2	16	4.6
50/54	.0	.0	.0	.3	1.7	3.5	15.0	8.9	102	29.4
45/49	.0	.0	.0	.9	3.5	10.7	18.4	17.3	176	50.7
40/44	.0	.0	.0	.3	.6	4.0	5.2	3.7	48	13.8
35/39	.0	.0	.0	.0	.3	.0	.3	.0	2	.6
TOTAL	0	0	0	5	23	67	144	108	347	100.0
PCT	.0	.0	.0	1.4	6.6	19.3	41.5	31.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
60/64	.4	.1	.0	.0	.0	.0	.0	.4	.0	.0
59/59	.6	.0	.0	.0	.0	.7	1.8	1.2	.0	.3
50/54	3.7	3.3	.8	.1	1.0	3.2	7.9	9.3	.0	.0
45/49	3.0	3.0	1.2	1.2	3.8	13.1	14.9	10.5	.0	.0
40/44	.3	.0	.8	.4	3.2	4.5	4.1	.4	.0	.0
35/39	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0
TOTAL	7.9	6.5	2.8	1.7	8.1	21.9	28.7	22.1	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
(GMT)									
00003	56	55	53	46	41	38	38	46.6	329
06009	55	54	53	46	40	37	37	45.9	188
12015	61	59	54	48	42	39	32	47.8	486
18021	62	59	56	49	43	39	38	48.9	205
TOT	62	58	54	47	41	39	32	47.4	1208

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
(GMT)										
00003	.0	.0	6.7	23.1	43.2	25.0	84	104		
06009	.0	1.5	2.9	11.8	42.6	41.2	87	68		
12015	.0	3.7	9.3	19.4	35.2	32.4	83	108		
18021	.0	.0	7.6	22.8	41.8	27.8	84	79		
TOT	0	5	25	71	147	111	84	359		

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1869-1976

JANUARY

AREA 0018 FALKLAND ISLANDS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	61 64	TOT	M FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.3	.0	.3	2	.0	.5
9/10	.0	.0	.0	.0	.0	.0	.3	.0	.0	1	.3	.0
7/8	.0	.0	.0	.0	.0	.0	1.3	.3	.0	6	.3	1.3
6	.0	.0	.0	.0	.0	.5	.3	.3	.0	15	.3	1.3
5	.0	.0	.0	.0	.0	1.3	2.3	.3	.0	24	.8	3.6
4	.0	.0	.0	.0	.5	4.9	.8	.0	.0	27	.0	6.9
3	.0	.0	.0	.0	1.5	4.6	.8	.0	.0	45	.8	10.7
2	.0	.0	.0	.0	2.8	6.1	1.5	.0	.0	51	1.3	11.8
1	.0	.0	.0	.3	7.4	4.6	.8	.0	.0	35	.8	7.6
0	.0	.0	.0	.5	5.9	2.0	.0	.0	.0	43	.8	10.2
-1	.0	.0	.0	1.3	6.6	2.8	.3	.0	.0	43	.0	11.0
-2	.0	.0	.0	3.1	5.6	2.3	.0	.0	.0	25	.5	5.9
-3	.0	.0	.0	4.6	5.4	.8	.3	.0	.0	15	.3	3.6
-4	.0	.0	.3	3.1	2.3	.8	.0	.0	.0	9	.0	2.3
-5	.0	.0	.3	1.5	1.5	.5	.0	.0	.0	3	.0	.8
-6	.0	.0	.5	.5	1.3	.0	.0	.0	.0	1	.0	.0
-7/-8	.3	.0	.0	.0	.5	.0	.0	.0	.0	24	.8	36.7
TOTAL	1	0	4	58	122	9.0	1.0	.3	391	100.0	6.1	93.9
PCT	.3	.0	1.0	14.8	42.5	21.2	9.0	1.0	.3	100.0	6.1	93.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	1.0	.0	.0	.0	.0	1.0	.0	.6	.0	.0	.0	.0	.6
1-2	.0	.6	.0	.0	.0	.0	.6	.0	.6	1.1	.0	.0	.0	1.7
3-4	.0	.0	2.9	.6	.0	.0	3.5	.0	.0	1.3	.0	.0	.0	1.3
5-6	.0	.4	1.0	1.1	.0	.0	2.5	.0	.1	1.3	.0	.0	.0	1.4
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.6	.7	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.1	.6	.0	.7
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	4.9	2.1	.0	.0	8.9	.0	1.3	4.7	.8	.6	.0	7.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	1.1	.0	.0	.0	.0	1.1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.6	.4	.0	.0	.0	1.0	.0	.0	.7	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.1	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	1.0	.8	.0	.0	3.5	.0	.3	.7	.1	.0	.0	1.1

PERIOD: (OVER-ALL) 1963-1974

JANUARY

AREA 0018 FALKLAND ISLANDS
52.1S 57.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.0	.0	.0	.0	.0	1.5	.0	1.1	.6	.0	.0	.0	1.7
1-2	.0	.4	.6	.0	.0	.0	1.0	.0	3.2	2.9	.0	.0	.0	6.1
3-4	.0	1.4	1.4	1.5	.0	.0	4.3	.0	.1	4.7	.8	.0	.0	5.7
5-6	.0	.0	.6	.4	.0	.0	1.0	.0	.0	2.9	2.4	.0	.0	5.3
7	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.7	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.1	.0	.0	.7
12	.0	.0	.0	.6	.6	.0	1.1	.0	.0	.0	1.7	.0	.0	1.7
13-16	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	1.4	.0	.0	1.4
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.8	2.5	3.9	.6	.0	10.3	.0	4.5	13.0	7.1	.0	.0	24.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.1	.0	.0	.0	.0	1.1	.6	.7	.6	.0	.0	.0	1.8	
1-2	.0	3.9	4.6	.0	.0	.0	8.5	.0	2.0	3.6	.0	.0	.0	5.6	
3-4	.0	.0	6.4	1.3	.0	.0	7.7	.0	.6	3.9	.8	.0	.0	5.3	
5-6	.0	.0	4.7	.8	.0	.0	5.3	.0	.0	2.4	.0	.0	.0	2.4	
7	.0	.0	.6	.0	.0	.0	.6	.0	.0	.1	.6	.0	.0	.7	
8-9	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.6	.0	.0	.6	
10-11	.0	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	.6	.0	.0	.6	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	
13-16	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.0	16.8	3.8	.0	.0	23.6	.6	3.2	11.2	2.5	.0	.0	17.5	98.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.2	6.7	1.1	.0	.0	.0	10.0	
1-2	.0	11.7	13.9	.0	.0	.0	25.6	
3-4	.0	2.2	20.6	5.0	.0	.0	27.8	
5-6	.0	.6	13.3	4.4	.0	.0	18.3	
7	.0	.0	1.7	3.9	.0	.0	5.6	
8-9	.0	.0	.6	.6	.0	.0	1.1	
10-11	.0	.0	1.7	2.2	.0	.0	3.9	
12	.0	.0	.6	2.2	.6	.0	3.3	
13-16	.0	.0	.0	2.2	.0	.0	2.2	
17-19	.0	.0	.0	.6	.6	.0	1.1	
20-22	.0	.0	1.1	.0	.0	.0	1.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.2	21.1	54.4	21.1	1.1	.0	100.0	180

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	5.8	11.5	5.8	1.4	1.0	.5	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	4
6-7	.0	1.4	5.8	7.7	4.3	4.8	2.9	.0	2.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	62	7
8-9	.0	.0	3.8	9.1	3.8	2.9	3.4	3.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	7
10-11	.0	.0	.0	.5	1.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	3	14
INDET	1.9	.0	.5	2.4	1.0	1.4	1.4	.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	6
TOTAL	7	15	45	53	26	22	18	10	8	2	2	0	0	0	0	0	0	0	0	208	6
PCT	3.4	7.2	21.6	25.5	12.5	10.6	8.7	4.8	3.8	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1872-1976AREA 0018 FALKLAND ISLANDS
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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
N	18.2	1.4	8.1	.0	.0	.0	.0	23.0	.0	.0	6.8	.0	5.4	.0	64.9
NE	4.5	18.2	.0	.0	.0	.0	.0	22.7	.0	.0	4.5	.0	.0	.0	72.7
E	6.5	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	.0	.0	.0	93.5
SE	28.6	.0	14.3	.0	.0	.0	.0	42.9	.0	.0	7.1	.0	.0	.0	50.0
S	6.4	.0	.0	.0	.0	.0	.0	6.4	.0	.0	2.1	.0	.0	.0	87.2
SW	3.1	1.6	.8	.0	.0	.0	.0	5.5	.0	.0	.0	.0	1.6	.0	92.9
W	2.0	2.7	1.3	.0	.0	.0	.0	6.0	.0	.0	.0	.0	.0	2.0	92.0
NW	7.9	3.2	1.9	.0	.0	.0	.0	12.7	.0	.0	6.3	.0	.0	.6	80.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	6.8	2.6	2.3	.0	.0	.0	.0	11.1	.0	.0	2.9	.0	1.3	.7	84.0
TOT OBS:	307														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OBS TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WFA
00003	5.3	2.1	1.1	.0	.0	.0	.0	8.4	.0	.0	2.1	.0	2.1	1.1	86.3
06009	3.3	1.6	3.3	.0	.0	.0	.0	8.2	.0	.0	3.3	.0	.0	1.6	86.9
12015	9.4	2.1	5.2	.0	.0	.0	.0	14.6	.0	.0	2.1	.0	2.1	.0	81.3
18021	7.5	4.5	.0	.0	.0	.0	.0	11.9	.0	.0	4.5	.0	.0	.0	83.6
TOT PCT	6.6	2.5	2.5	.0	.0	.0	.0	11.0	.0	.0	2.8	.0	1.3	.6	84.3
TOT OBS:	319														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	2.3	6.0	2.8	.6	.0		12.2	17.0		12.1	13.0	13.3	12.5	15.4	11.9	7.6	8.6
NE	.2	.9	.8	.5	.1	.0		2.6	13.8		2.4	4.6	3.9	4.0	1.4	1.6	.0	2.9
E	.2	.9	.5	.2	.0	.0		1.8	11.9		3.1	.9	2.3	1.3	2.3	1.6	3.0	.5
SE	.2	1.1	.5	.5	.2	.0		2.4	15.3		1.3	.9	3.1	1.3	5.2	1.9	3.0	3.3
S	.1	1.2	1.2	2.5	.2	.2		5.5	21.5		4.7	3.2	8.6	4.5	5.5	5.1	13.6	6.7
SW	.6	5.3	9.7	4.2	2.0	.2		22.0	17.6		28.4	18.1	9.4	17.0	19.6	24.9	16.7	26.7
W	1.0	6.8	9.9	5.9	1.3	.0		24.9	16.5		23.5	26.4	28.9	26.3	22.7	24.1	18.9	26.2
NW	.8	8.0	12.5	4.8	1.3	.2		27.7	16.1		21.0	31.9	27.3	33.0	27.1	28.9	34.1	23.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.9							.9	.0		1.4	.9	3.1	.0	.7	.0	3.0	1.9
TOT OBS	39	226	351	183	49	5	853		16.6		138	108	32	112	140	185	33	105
TOT PCT	4.6	26.5	41.1	21.5	5.7	.6		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.3	4.7	4.8	1.1	.2		12.2	17.0	12.5	12.7	13.4	8.3
NE	.5	1.3	.6	.2	.0		2.6	13.8	3.4	4.0	1.5	2.2
E	.5	.7	.4	.2	.0		1.8	11.9	2.1	1.6	1.9	1.1
SE	.8	.6	.5	.5	.0		2.4	15.3	1.1	1.7	3.3	3.3
S	.6	1.1	1.8	1.6	.2		5.5	21.5	4.1	5.4	5.3	8.3
SW	2.2	9.6	6.3	3.0	.9		22.0	17.6	23.9	15.3	22.6	24.3
W	3.4	9.1	9.9	2.0	.6		24.9	16.5	25.9	26.9	23.5	24.5
NW	3.6	11.6	9.3	2.6	.7		27.7	16.1	25.8	31.8	28.2	25.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.9						.9	.0	1.2	.7	.3	2.2
TOT OBS	118	331	286	96	22	853		16.6	246	144	325	138
TOT PCT	13.8	38.8	33.5	11.3	2.6		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1906-1976
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	1.2	6.5	26.0	41.5	19.9	4.1	.8	16.0	100.0	246
0600	.7	2.1	27.1	41.7	22.2	3.0	.7	16.8	100.0	144
1200	.3	2.5	26.5	40.3	23.4	6.5	.6	17.2	100.0	325
1800	2.2	2.9	26.8	42.0	18.8	7.2	.0	16.1	100.0	138
TOT	.8	3.1	22.6	35.1	18.3	4.9	.5	16.6		853
PCT	.9	3.0	26.5	41.1	21.5	5.7	.6	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	2.8	.6	1.9	8.5		6.3
NE	.0	.0	2.2	.0		6.5
E	.7	.0	1.9	2.2		6.1
SE	.0	.7	.9	.7		5.9
S	.0	.0	7.4	5.6		7.1
SW	3.9	3.7	6.3	3.7		5.0
W	8.3	1.5	5.6	5.7		4.4
NW	6.5	1.7	8.7	6.1		5.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.7	.7	.7		6.0
TOT OBS	30	12	48	45	135	5.5
TOT PCT	22.2	8.9	35.6	33.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <4/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
1.9	.0	.0	.0	3.7	1.5	.0	.0	.0	.0	6.7	
.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	2.0	
.0	.0	.7	.0	.0	1.3	.0	.0	.0	1.5	1.3	
.0	.0	.0	.7	.7	.0	.0	.0	.0	.0	.9	
.0	.0	.7	.0	9.1	1.5	1.1	.0	.0	.0	.6	
.0	.0	.0	.2	4.1	1.5	2.6	.0	.0	.0	9.3	
.0	.0	.0	1.3	3.9	1.3	2.4	.0	.7	.0	11.5	
.4	.0	.0	.0	3.0	3.1	2.8	.0	.0	.0	13.7	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.7	.0	.0	.7	.0	.0	.0	.0	.7	
3	0	3	3	33	15	12	0	1	2	63	135
2.2	.0	2.2	2.2	24.4	11.1	8.9	.0	.7	1.5	46.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
>5000	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
>3500	9.6	11.9	11.9	11.9	11.9	11.9	11.9	11.9
>2000	17.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
>1000	35.6	44.4	45.9	46.7	46.7	46.7	46.7	46.7
>600	37.0	45.9	47.4	48.1	48.1	48.1	48.1	48.1
>300	38.5	48.1	49.6	50.4	50.4	50.4	50.4	50.4
>150	38.5	48.1	49.6	50.4	50.4	50.4	50.4	50.4
>0	38.5	48.1	50.4	51.1	51.1	51.9	52.6	52.6
TOTAL	52	65	68	69	69	70	71	71

TOTAL NUMBER OF OBS: 135

PCT FREQ NH <5/8: 47.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
9.9	12.6	12.6	6.0	5.3	9.9	5.3	4.9	26.5	2.0	151

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1872-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.7	
	NO PCP	.7	.0	.0	.0	.0	.0	.2	.1	.0	.0	1.0	
	TOT %	1.2	.0	.0	.0	.0	.0	.2	.2	.0	.0	1.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.2	.5	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.8	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.3	.0	.3	.3	.0	.0	.0	1.0	
	NO PCP	.5	.0	.0	.0	.3	.7	1.3	1.5	.0	.0	4.3	
	TOT %	.5	.0	.0	.3	.3	1.0	1.6	1.5	.0	.0	5.2	
2<5	PCP	.6	.2	.2	.3	.2	.3	.2	1.1	.0	.0	3.0	
	NO PCP	.0	.0	.0	.0	.3	.5	2.0	1.8	.0	.0	4.6	
	TOT %	.6	.2	.2	.3	.5	.8	2.1	2.9	.0	.0	7.5	
5<10	PCP	1.0	.3	.0	.3	.3	.2	.8	1.3	.0	.0	4.3	
	NO PCP	3.3	1.1	.6	.6	.8	4.3	6.0	6.2	.0	.0	23.0	
	TOT %	4.3	1.5	.6	.9	1.1	4.5	6.8	7.5	.0	.0	27.2	
10+	PCP	.7	.0	.0	.0	.0	.3	.0	.0	.0	.0	1.0	
	NO PCP	4.9	1.6	1.8	.7	5.7	14.2	13.7	12.7	.0	1.0	56.4	
	TOT %	5.6	1.6	1.8	.7	5.7	14.5	13.7	12.7	.0	1.0	57.4	
TOT OBS													305
TOT PCT		12.1	3.3	2.5	2.3	7.7	20.8	24.7	25.6	.0	1.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	1.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	1.3	
	22+	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.3	
	TOT %	1.2	.0	.0	.0	.0	.0	.2	.2	.0	.0	1.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.2	.8	.0	.0	1.0	
1<2	0-3	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.6	
	4-10	.2	.0	.0	.3	.0	.3	.5	.6	.0	.0	1.9	
	11-21	.3	.0	.0	.0	.0	.3	.5	.5	.0	.0	1.6	
	22+	.0	.0	.0	.0	.3	.0	.3	.3	.0	.0	1.0	
	TOT %	.5	.0	.0	.3	.3	1.0	1.6	1.5	.0	.0	5.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.2	.6	1.3	1.8	.0	.0	3.9	
	11-21	.3	.0	.0	.0	.3	.2	.8	.6	.0	.0	2.3	
	22+	.2	.2	.2	.3	.0	.0	.0	.4	.0	.0	1.3	
	TOT %	.6	.2	.2	.3	.5	.8	2.1	2.8	.0	.0	7.5	
5<10	0-3	.0	.0	.0	.3	.0	.3	.5	.2	.0	.0	1.3	
	4-10	.8	.3	.6	.6	.5	1.6	2.4	3.6	.0	.0	10.4	
	11-21	2.4	.8	.0	.0	.3	1.8	2.3	2.1	.0	.0	9.7	
	22+	1.1	.3	.0	.0	.3	.7	1.9	1.8	.0	.0	6.2	
	TOT %	4.4	1.5	.6	.9	1.1	4.5	7.1	7.6	.0	.0	27.6	
10+	0-3	.3	.3	.3	.0	.3	.0	.8	.8	.0	1.0	3.9	
	4-10	1.4	.6	.6	.4	1.2	3.9	5.1	4.1	.0	.0	17.2	
	11-21	2.8	.7	.9	.3	1.1	7.1	4.2	6.5	.0	.0	23.7	
	22+	1.0	.0	.0	.0	3.0	3.4	3.4	1.5	.0	.0	12.3	
	TOT %	5.5	1.6	1.8	.7	5.7	14.4	13.6	12.9	.0	1.0	57.1	
TOT OBS													308
TOT PCT		12.2	3.2	2.5	2.3	7.6	20.6	24.8	25.8	.0	1.0	100.0	

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PERIOD: (PRIMARY) 1906-1976
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	2.4	.0	2.4	2.4	28.6	9.5	7.1	.0	.0	.0	52.4	47.6	42
06009	3.3	.0	.0	.0	30.0	6.7	10.0	.0	3.3	.0	53.3	46.7	30
12015	2.8	.0	2.8	2.8	27.8	8.3	2.8	.0	.0	5.6	52.8	47.2	36
18021	.0	.0	2.9	2.9	5.7	17.1	14.3	.0	.0	2.9	45.7	54.3	35
TOT	3	0	3	3	33	15	12	0	1	3	73	70	143
PCT	2.1	.0	2.1	2.1	23.1	10.5	8.4	.0	.7	2.1	51.0	49.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.1	2.1	7.3	3.1	32.3	53.1	96
06009	.0	3.2	3.2	8.1	30.6	54.8	62
12015	2.1	.0	4.2	10.4	30.2	53.1	96
18021	1.5	.0	4.5	7.6	18.2	68.2	66
TOT	5	4	16	23	91	181	320
PCT	1.6	1.3	5.0	7.2	28.4	56.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	2.4	7.3	12.2	43.9	43.9	41
06009	3.6	3.6	7.1	46.4	46.4	28
12015	3.0	6.1	12.1	45.5	42.4	33
18021	.0	3.0	6.1	42.4	51.5	33
TOT	3	7	13	60	62	135
PCT	2.2	5.2	9.6	44.4	45.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
55/59	.0	.0	.0	1.1	.0	.4	2.3	1.1	13	5.0
50/54	.0	.0	.0	1.1	3.8	6.5	13.8	12.3	98	37.5
45/49	.0	.0	.4	.0	5.4	8.0	19.5	15.7	128	49.0
40/44	.0	.0	.0	.0	.8	1.9	1.5	3.4	20	7.7
35/39	.0	.0	.0	.0	.0	.4	.0	.0	1	.4
TOTAL	0	0	1	7	26	45	97	85	261	100.0
PCT	.0	.0	.4	2.7	10.0	17.2	37.2	32.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.2	.2	.0	.0
1.1	.4	.4	.0	.2	1.0	.8	.8	.0	.4
5.6	1.4	1.0	1.0	1.6	6.6	8.4	11.6	.0	.4
4.2	.9	1.4	1.0	1.1	9.7	15.8	14.7	.0	.4
.0	.0	.0	.4	3.6	1.7	1.5	.4	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
10.9	2.7	2.8	2.3	6.5	19.0	26.7	27.6	.0	1.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	56	54	52	47	42	40	39	46.9	247
06009	55	54	50	47	42	41	35	46.5	145
12015	59	56	53	48	42	40	40	48.0	324
18021	60	58	56	49	43	41	40	49.3	140
TOT	60	56	53	48	42	40	35	47.6	856

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	12.7	22.8	34.2	30.4	83	79
06009	.0	1.8	10.9	14.5	36.4	36.4	84	55
12015	.0	3.8	9.0	17.5	32.5	41.3	85	80
18021	.0	8.6	10.3	13.8	48.3	19.0	80	58
TOT	0	9	26	48	101	88	83	272

PERIOD: (PRIMARY) 1906-1976
(OVER-ALL) 1877-1976

FEBRUARY

AREA 0018 FALKLAND ISLANDS
52.05 57.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	W FOG
14/16	.0	.0	.0	.5	.0	1	.0	.5
9/10	.0	.0	.0	.0	.5	1	.0	.5
6	.0	.0	.5	2.4	.0	6	.0	2.8
5	.0	.5	2.4	2.4	.9	13	.0	6.1
4	.0	1.4	4.2	1.9	.0	16	.0	7.5
3	.0	2.4	5.2	1.9	.9	22	.9	9.4
2	.0	4.2	10.4	.9	.0	33	.0	15.6
1	.0	5.7	6.6	.0	.0	26	.0	12.3
0	.9	7.5	5.7	.5	.0	31	1.9	12.7
-1	1.9	7.5	.9	.0	.0	22	.5	9.9
-2	2.8	2.8	1.4	.0	.0	15	.0	7.1
-3	2.4	1.9	.5	.0	.0	10	.0	4.7
-4	1.9	1.9	.0	.0	.0	8	.0	3.8
-5	.5	.0	.9	.0	.0	3	.0	1.4
-6	.0	.5	.0	.0	.0	1	.0	.5
-7/-8	.9	.5	.0	.0	.0	3	.0	1.4
-9/-10	.5	.0	.0	.0	.0	1	.0	.5
TOTAL	25	78	62	22	5	212	7	265
PCT	11.8	36.8	38.7	10.4	2.4	100.0	3.3	96.7

PERIOD: (OVER-ALL) 1943-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.1	1.1	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	1.1	.0	.0	.0	1.9	1.1	.3	.3	.0	.0	.0	1.6
3-4	.0	.0	1.9	1.1	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.2	.0	.0	.0	2.2	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	2.2	2.2	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.9	8.2	3.3	.0	.0	14.4	1.1	.3	1.4	.0	.0	.0	2.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.1	.0	.0	.0	.0	1.1	.0	.3	.0	.0	.0	.0	.3
1-2	1.1	.8	1.9	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.1	1.1	.0	.0	.0	2.2	.0	1.1	.0	.0	.0	.0	1.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	3.0	3.0	.0	.0	.0	7.1	.0	1.4	2.2	.0	.0	.0	3.5

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY
TABLE 18 (CONT)AREA 0018 FALKLAND ISLANDS
52.05 57.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	1.1	.8	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	.0
3-4	.0	1.1	2.7	1.1	.0	.0	4.9	.0	.0	6.3	.3	.0	.0	6.5	.0
5-6	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	1.6	.0	.0	1.6	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	1.1	.0	.0	4.3	.0
8-9	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	2.2	.0	.0	.0	2.2	.0
10-11	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	1.1	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	1.9	3.8	3.0	.0	.0	9.8	.0	1.1	11.7	4.1	.0	.0	16.8	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	.0	.0	.0	.0	.8	.0	2.7	.0	.0	.0	.0	2.7	.0
3-4	.0	1.1	4.1	.8	.0	.0	6.0	.0	2.2	6.8	1.1	.0	.0	10.1	.0
5-6	.0	.0	1.1	2.7	.0	.0	3.8	.0	.0	4.3	1.4	.0	.0	5.7	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	1.1	.0
8-9	.0	.0	.8	3.0	.0	.0	3.8	.0	.0	.5	.3	.0	.0	.8	.0
10-11	.0	.0	.0	.0	1.6	.0	1.6	.0	.0	.0	.0	.5	.0	.5	.0
12	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	1.1	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	.0
17-19	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	7.1	7.6	1.6	.0	19.3	.0	4.9	12.8	4.9	.5	.0	23.1	96.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.4	4.3	.0	.0	.0	.0	9.8	
1-2	2.2	6.5	3.3	.0	.0	.0	12.0	
3-4	.0	6.5	22.8	4.3	.0	.0	33.7	
5-6	.0	.0	9.8	6.5	.0	.0	16.3	
7	.0	.0	6.5	4.3	.0	.0	10.9	
8-9	.0	.0	5.4	3.3	.0	.0	8.7	
10-11	.0	.0	.0	2.2	2.2	.0	4.3	
12	.0	.0	1.1	1.1	.0	.0	2.2	
13-16	.0	.0	1.1	.0	.0	.0	1.1	
17-19	.0	.0	.0	1.1	.0	.0	1.1	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.6	17.4	50.0	22.8	2.2	.0	100.0	92

PERIOD: (OVER-ALL) 1951-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.8	2.6	6.1	9.6	2.6	5.3	.9	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5
6-7	.0	.0	4.4	9.6	6.1	5.3	.9	1.8	.9	.9	.0	.9	.9	.0	.0	.0	.0	.0	.0	36	8
8-9	.0	.0	.0	.9	7.0	5.3	3.5	.9	3.5	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	25	10
10-11	.0	.9	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	1.8	.9	1.8	1.8	4.4	.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
TOTAL	4	5	14	26	23	18	8	4	8	1	1	1	1	0	0	0	0	0	0	114	7
PCT	3.5	4.4	12.3	22.8	20.2	15.8	7.0	3.5	7.0	.9	.9	.9	.9	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1900-1976
(OVER-ALL) 1870-1976

MARCH

AREA 0018 FALKLAND ISLANDS
51.95 57.54

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	3.8	1.9	3.8	.0	.0	.0	1.0	10.5	.0	1.9	2.9	.0	.0	.0	84.7
NE	23.4	5.2	.0	.0	.0	.0	2.6	31.2	5.2	.0	2.6	.0	.0	.0	61.0
E	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	18.2	.0	.0	.0	63.6
SE	26.6	15.6	.0	.0	3.1	.0	.0	42.2	.0	.0	.0	.0	.0	.0	57.8
S	14.5	5.3	.0	.0	3.3	.0	.0	21.7	.0	.0	2.6	.0	.0	.0	75.7
SW	7.0	2.5	.3	.0	.3	.0	.0	10.1	.0	.0	9.5	.0	.0	.0	80.4
W	5.9	3.2	.6	.0	.0	.0	2.5	12.3	.6	.0	8.5	.0	.0	.0	78.6
NW	8.5	1.3	3.6	.0	.0	.0	.9	14.3	1.1	1.8	3.8	.0	.9	.0	76.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.3	.0	5.3	.0	.0	.0	.0	5.3	.0	.0	5.3	5.3	.0	.0	84.2
TOT PCT	8.7	3.0	1.7	.0	.4	.0	1.1	14.5	.6	.6	6.4	.2	.2	.0	77.4
TOT CBS:	470														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	9.6	2.5	.6	.0	.0	.0	.6	13.4	.0	1.9	9.6	.0	.0	.0	75.8
06009	7.2	3.1	2.1	.0	2.1	.0	1.0	14.4	1.0	1.0	4.1	1.0	.0	.0	78.4
12015	8.7	2.9	4.3	.0	.0	.0	1.4	16.7	.7	.0	6.5	.0	.0	.0	76.1
18021	10.8	3.2	.0	.0	.0	.0	1.1	15.1	1.1	.0	3.2	.0	1.1	.0	79.6
TOT PCT	9.1	2.9	1.9	.0	.4	.0	1.0	14.8	.6	.8	6.4	.2	.2	.0	77.1
TOT CBS:	485														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.3	3.7	4.9	3.4	.9	.0		13.2	17.4		10.1	12.6	17.9	13.1	12.6	16.5	10.6	12.8
NE	.1	1.7	1.4	.7	.4	.0		4.2	15.8		4.1	6.0	4.9	3.7	5.7	3.4	.0	4.3
E	.1	.4	.5	.1	.0	.0		1.0	11.8		1.5	1.4	2.2	1.4	.3	1.2	.0	.0
SE	.0	1.2	.8	.5	.0	.0		2.5	13.8		4.7	2.3	2.2	1.4	.0	2.4	.0	5.1
S	.7	1.8	3.0	1.5	.4	.1		7.4	16.1		8.6	5.0	12.0	6.5	10.5	5.6	8.9	5.1
SW	.5	4.9	9.7	4.2	.9	.1		20.3	16.6		20.2	23.4	12.5	18.2	20.0	20.6	26.7	19.7
W	1.0	6.9	8.4	4.1	.8	.2		21.4	15.9		25.3	21.6	24.5	20.6	18.7	21.6	18.9	19.7
NW	.7	8.6	11.4	5.2	1.0	.1		27.0	15.9		22.1	24.1	21.7	33.2	29.7	25.7	30.6	30.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9							2.9	.0		3.5	3.7	2.2	1.9	2.5	2.9	4.4	2.6
TOT OBS	61	281	385	188	41	4	960		13.7		171	109	46	107	159	206	45	117
TOT PCT	6.4	29.3	40.1	19.6	4.3	.4		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40				00	03	06	12	18
N	1.5	5.6	3.5	2.5	.2		13.2	17.4	11.1	14.5	14.8	12.2
NE	.9	1.5	1.2	.5	.2		4.2	15.8	4.8	4.1	4.4	3.1
E	.2	.5	.3	.0	.0		1.0	11.8	1.4	1.6	.8	.0
SE	.8	.8	.5	.3	.0		2.5	13.8	3.8	1.6	1.4	3.7
S	1.5	2.4	2.4	1.0	.1		7.4	16.1	7.2	8.2	7.7	6.2
SW	1.8	8.2	8.0	2.1	.1		20.3	16.6	21.4	16.5	20.3	21.6
W	3.6	7.9	6.5	3.0	.3		21.4	15.9	23.8	21.7	20.3	19.4
NW	2.8	12.5	8.2	3.1	.4		27.0	15.9	22.9	29.7	27.5	30.7
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.9						2.9	.0	3.6	2.0	2.7	3.1
TOT OBS	154	379	294	121	12	960		13.7	280	153	365	162
TOT PCT	16.0	39.5	30.6	12.6	1.3		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1870-1976

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51.95 57.5H

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	3.6	4.6	29.6	40.4	18.6	2.5	.7	15.0	100.0	280
0600	2.0	3.3	35.9	37.3	16.3	5.2	.0	15.2	100.0	153
1200	2.7	3.6	25.8	41.1	20.3	6.0	.5	16.4	100.0	365
1800	3.1	1.2	30.2	40.1	22.8	2.7	.0	15.8	100.0	162
TOT	28	33	281	385	188	41	.4	15.7		960
PCT	2.9	3.4	29.3	40.1	19.6	4.3	.4		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	4.1	1.2	4.9	2.9		4.9
NE	.7	.0	1.2	.0		4.9
E	.6	.0	.6	1.2		5.7
SE	.0	.0	1.7	1.5		7.3
S	2.2	2.3	3.3	2.9		4.9
SW	6.4	2.8	7.3	3.2		4.3
W	7.6	2.9	6.8	3.3		4.2
NW	9.3	1.9	8.4	5.4		4.4
VAR	.0	.0	.0	.0		.0
CALM	.6	.0	1.2	1.2		6.0
TOT OBS	54	19	61	38	172	4.7
TOT PCT	31.4	11.0	35.5	22.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.6	.0	.6	.6	2.0	.0	.0	.0	1.7	.0	7.6	
NE	.0	.0	.0	.0	.6	.6	.6	.0	.0	.0	.7	
E	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	1.2	
SE	.0	.0	.0	.1	2.2	.7	.0	.0	.0	.0	.1	
S	.9	.0	.0	.4	2.5	1.5	.0	.0	.0	.0	5.6	
SW	.3	.0	.0	.7	4.2	2.0	.0	.0	.3	.0	12.1	
W	.0	.0	1.2	.4	2.0	1.0	.6	.0	.3	1.5	15.7	
NW	.0	.0	.6	.6	2.2	1.7	1.2	.6	.0	.9	17.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.6	.6	.0	.6	.0	.0	.0	.0	1.2	
TOT OBS	4	0	5	6	27	15	4	1	4	4	102	172
TOT PCT	2.3	.0	2.9	3.5	15.7	8.7	2.3	.6	2.3	2.3	59.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)								
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	
>6500	2.8	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
>5000	3.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
>3500	5.1	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
>2000	10.2	15.3	15.8	16.4	16.4	16.4	16.4	16.4	16.4
>1000	19.2	29.4	30.5	31.1	31.1	31.1	31.1	31.1	31.1
>600	20.3	32.2	33.9	34.5	34.5	35.0	35.0	35.0	35.0
>300	21.5	33.9	36.7	37.3	37.3	37.9	37.9	37.9	37.9
>150	21.5	33.9	36.7	37.3	37.3	37.9	37.9	37.9	37.9
>0	21.5	33.0	38.4	39.0	39.0	39.5	40.1	40.1	40.1
TOTAL	38	62	68	69	69	70	71	71	71

TOTAL NUMBER OF OBS: 177

PCT FREQ NH <5/8: 59.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL
										OBS
14.2	13.7	14.7	9.5	6.8	5.8	7.9	8.4	16.8	2.1	190

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1870-1976

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51.95 57.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.2	.0	.0	.1	.4	.0	.2	.0	.0	.2	1.1	
	NO PCP	.0	.0	.2	.0	.0	.6	.2	.0	.0	.0	1.1	
	TOT %	.2	.0	.2	.1	.4	.6	.4	.0	.0	.2	2.1	
1/2<1	PCP	.2	.0	.0	.4	.0	.0	.0	1.1	.0	.0	1.7	
	NO PCP	.0	.0	.0	.0	.2	.7	.2	.3	.0	.4	1.9	
	TOT %	.2	.0	.0	.4	.2	.7	.2	1.4	.0	.4	3.6	
1<2	PCP	.0	.4	.0	.0	.1	.5	.3	1.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.7	1.3	1.4	.0	.4	3.8	
	TOT %	.0	.4	.0	.0	.1	1.3	1.6	2.3	.0	.4	6.7	
2<5	PCP	.3	.1	.0	.2	.1	.6	1.0	.6	.0	.0	3.0	
	NO PCP	.6	.2	.0	.0	.2	1.3	2.2	1.0	.0	.4	6.0	
	TOT %	1.0	.3	.0	.2	.3	1.9	3.3	1.6	.0	.4	9.0	
5<10	PCP	.4	.3	.2	.7	1.2	.5	1.4	1.0	.0	.0	5.8	
	NO PCP	4.9	1.4	.2	1.2	1.5	5.4	8.6	9.3	.0	1.9	34.3	
	TOT %	5.3	1.7	.4	1.9	2.7	5.9	10.0	10.2	.0	1.9	40.1	
10+	PCP	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.4	
	NO PCP	4.4	1.2	.5	.3	4.4	8.4	9.6	8.6	.0	.6	38.4	
	TOT %	4.4	1.2	.5	.3	4.4	8.6	9.8	8.6	.0	.6	39.0	
TOT OBS													
TOT PCT		11.1	3.7	1.2	3.4	8.1	19.1	25.2	24.1	.0	4.1	100.0	469

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.2	.4	.2	.0	.0	.2	1.0	
	4-10	.2	.0	.0	.0	.0	.2	.0	.0	.0	.0	.4	
	11-21	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.4	
	22+	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.0	.2	.1	.4	.6	.4	.0	.0	.2	2.1	
1/2<1	0-3	.0	.0	.0	.0	.2	.2	.0	.2	.0	.4	1.0	
	4-10	.2	.0	.0	.4	.0	.1	.2	.7	.0	.0	1.7	
	11-21	.0	.0	.0	.0	.0	.4	.0	.2	.0	.0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	TOT %	.2	.0	.0	.4	.2	.7	.2	1.4	.0	.4	3.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	
	4-10	.0	.0	.0	.0	.0	.7	1.0	1.1	.0	.0	2.9	
	11-21	.0	.4	.0	.0	.1	.5	.5	.5	.0	.0	2.1	
	22+	.0	.4	.0	.0	.0	.0	.0	.6	.0	.0	1.0	
	TOT %	.0	.8	.0	.0	.1	1.2	1.6	2.3	.0	.4	6.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	.6	
	4-10	.2	.0	.0	.2	.1	.8	1.9	.9	.0	.0	4.2	
	11-21	.3	.3	.0	.0	.2	.8	.8	.4	.0	.0	2.9	
	22+	.4	.0	.0	.0	.0	.2	.3	.2	.0	.0	1.0	
	TOT %	.9	.3	.0	.2	.3	1.8	3.2	1.6	.0	.4	8.7	
5<10	0-3	.2	.0	.0	.0	.4	.3	.5	.6	.0	1.9	4.0	
	4-10	1.6	.0	.2	.7	.8	1.6	3.9	3.6	.0	.0	12.5	
	11-21	1.2	1.0	.2	1.1	.8	3.0	3.2	4.2	.0	.0	14.8	
	22+	2.3	1.1	.0	.0	.6	1.0	2.2	1.6	.0	.0	8.7	
	TOT %	5.3	2.2	.4	1.9	2.6	5.9	9.8	10.0	.0	1.9	39.9	
10+	0-3	.0	.0	.0	.0	.1	.6	.3	.0	.0	.6	1.7	
	4-10	1.5	.8	.3	.3	1.7	1.9	2.8	2.7	.0	.0	11.9	
	11-21	2.2	.2	.2	.3	2.0	4.5	4.6	5.1	.0	.0	19.1	
	22+	.6	.2	.0	.2	.7	2.0	1.7	1.3	.0	.0	6.7	
	TOT %	4.3	1.2	.5	.8	4.3	8.4	9.7	9.4	.0	.6	39.3	
TOT OBS													
TOT PCT		11.0	4.5	1.1	3.3	7.9	18.7	24.9	24.6	.0	4.0	100.0	481

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PERIOD: (PRIMARY) 1908-1976
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	1.9	.0	1.9	3.8	17.0	3.8	1.9	.0	3.8	.0	34.0	66.0	53
06009	4.3	.0	2.2	2.2	8.7	6.5	2.2	.0	.0	4.3	30.4	69.6	46
12015	2.4	.0	4.9	2.4	12.2	17.1	2.4	.0	.0	4.9	46.3	53.7	41
18021	.0	.0	2.3	6.8	20.5	6.8	2.3	2.3	4.5	2.3	47.7	52.3	44
TOT	4	0	5	7	27	15	4	1	4	5	72	112	184
PCT	2.2	.0	2.7	3.8	14.7	8.2	2.2	.5	2.2	2.7	39.1	60.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	5.0	3.8	8.8	8.8	38.4	35.2	159
06009	1.0	5.1	9.1	6.1	40.4	38.4	99
12015	.7	2.8	5.6	9.9	41.5	39.4	142
18021	1.1	2.1	.0	9.5	37.9	49.5	95
TOT	11	17	31	43	196	197	495
PCT	2.2	3.4	6.3	8.7	39.6	39.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	2.0	6.0	12.0	24.0	64.0	50
06009	4.4	8.9	13.3	20.0	66.7	45
12015	2.5	7.5	12.5	35.0	52.5	40
18021	.0	2.4	11.9	40.5	47.6	42
TOT	4	11	22	52	103	177
PCT	2.3	6.2	12.4	29.4	58.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.3	.3	.0	.9	.0	5	1.4
50/54	.0	.0	.3	.6	.6	4.0	16.3	6.9	100	28.7
45/49	.0	.0	.3	1.4	2.9	9.2	17.2	18.3	172	49.3
40/44	.0	.0	.0	.6	2.0	4.0	4.9	7.2	65	18.6
35/39	.0	.0	.0	.3	.6	.3	.3	.6	7	2.0
TOTAL	0	0	2	11	22	61	138	115	349	100.0
PCT	.0	.0	.6	3.2	6.3	17.5	39.5	33.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	.0	.0	.0	.0	.5	.6	.0	.0
4.4	.4	.3	.0	2.1	3.7	6.1	10.2	.0	1.4
6.9	2.8	.9	.4	3.3	10.6	13.5	9.8	.0	1.1
.3	.4	.4	2.3	2.9	5.6	4.7	1.7	.0	.3
.0	.0	.0	1.0	.6	.1	.3	.0	.0	.0
11.5	3.9	1.6	3.7	9.0	19.9	25.1	22.4	.0	2.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	54	53	51	46	40	39	37	45.7	280
06009	54	53	51	46	40	37	37	45.5	152
12015	55	54	53	47	41	39	32	46.7	359
18021	57	55	53	48	42	40	38	48.0	161
TOT	57	54	52	46	40	38	32	46.4	952

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.3	4.3	15.7	39.1	36.5	85	115		
06009	.0	4.1	9.5	13.5	36.5	36.5	84	74		
12015	.0	5.0	6.0	16.0	40.0	33.0	83	100		
18021	.0	2.7	5.5	23.3	43.8	24.7	83	73		
TOT	0	15	22	61	144	120	84	362		

MARCH

PERIOD: (PRIMARY) 1908-1976
(OVER-ALL) 1870-1976

TABLE 17

AREA 0018 FALKLAND ISLANDS
51.9S 57.5WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	TOT	h FOG	40 FOG
11/13	.0	.0	.0	.3	.0	.0	1	.0	.3
7/8	.0	.0	.0	1.0	.7	.3	6	.0	2.1
6	.0	.0	.0	1.4	.3	.0	5	.0	1.7
5	.0	.0	.0	2.7	2.1	.0	14	.0	4.8
4	.0	.0	1.0	2.7	2.4	.0	18	.3	5.8
3	.0	.0	1.7	7.5	.3	.0	28	1.0	8.6
2	.0	.0	3.1	7.5	.3	.0	32	.7	10.3
1	.0	1.0	8.6	5.5	.0	.0	44	.3	14.7
0	.0	1.4	7.5	4.5	.0	.0	39	.7	12.7
-1	.0	1.7	7.2	1.7	.0	.0	31	.0	10.6
-2	.0	2.7	5.1	.3	.0	.0	24	.0	8.2
-3	.0	3.4	3.4	1.0	.0	.0	23	.7	7.2
-4	.0	2.7	1.0	.0	.0	.0	11	.3	3.4
-5	.7	1.4	.0	.0	.0	.0	6	.3	1.7
-6	.3	1.7	.0	.0	.0	.0	6	.3	1.7
-7/-8	.3	.3	.0	.0	.0	.0	2	.0	.7
-9/-10	.7	.0	.0	.0	.0	.0	2	.0	.7
TOTAL	6		113		18		292	14	278
PCT	2.1	16.4	38.7	36.3	6.2	.3	100.0	4.8	95.2

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
1-2	.9	1.7	4.5	.0	.0	.0	7.1	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.9	.0	1.9	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	2.6	6.4	2.6	.0	.0	12.5	.0	1.2	.0	.0	.0	.0	1.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.9	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	1.9	.0	.0	.0	3.8	.0	.0	.5	.0	.0	.2	.7

PERIOD: (OVER-ALL) 1943-1976

MARCH

AREA 0018 FALKLAND ISLANDS
51.9S 57.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.9	.0	.0	.0		.9	.0	.0	.9	.0	.0	.0		.9
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.5	3.8	.0	.0	.0		4.2
3-4	.0	2.6	2.8	.9	.0	.0		6.4	.0	1.2	1.2	.9	.0	.0		3.3
5-6	.0	.0	2.4	.9	.0	.0		3.3	.0	.9	3.1	3.1	.0	.0		7.1
7	.0	.0	.9	.0	.0	.7		1.7	.0	.0	1.9	1.9	.0	.0		3.8
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.9	.0	.0	.0		.9
10-11	.0	.0	.0	.7	.0	.0		.7	.0	.0	.0	2.4	.0	.0		2.4
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.2	.0	.0		.2
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	2.6	7.1	2.6	.0	.7		13.0	.0	2.6	11.8	8.5	.0	.0		22.9

HGT	H							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.9	.0	.0	.0	.0		.9	
1-2	.0	2.4	1.4	.0	.0	.0		3.8	.0	2.8	2.6	.0	.0	.0		5.4	
3-4	.0	.9	7.8	.9	.0	.0		9.7	.0	1.9	7.1	.0	.0	.0		9.0	
5-6	.0	.0	2.6	2.6	.0	.0		5.2	.0	.0	.9	1.2	.0	.0		2.1	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.9	.0	.0		.9	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.9	.9	1.7	.0	.0		3.5	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.7	.0	.0		.7	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	4.2	12.7	5.9	.0	.0		22.9	.0	5.7	10.6	2.1	.0	.0		18.4	95.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	1.9	1.9	.0	.0	.0	8.5	
1-2	.9	9.4	13.2	.0	.0	.0	23.6	
3-4	.0	7.5	18.9	4.7	.0	.0	31.1	
5-6	.0	.9	11.3	8.5	.0	.0	20.8	
7	.0	.0	2.8	2.8	.0	.9	6.6	
8-9	.0	.0	1.9	.0	.0	.0	1.9	
10-11	.0	.9	.9	4.7	.0	.0	6.6	
12	.0	.0	.0	.9	.0	.0	.9	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.7	20.8	50.9	21.7	.0	.9	100.0	106

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.7	16.2	11.3	6.3	2.8	.7	3.5	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	61
6-7	.0	.7	5.6	6.3	5.6	4.9	5.6	2.1	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45
8-9	.0	.0	.7	.7	1.4	1.4	2.8	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13
10-11	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
12-13	.0	.0	1.4	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
>13	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
INDET	3.5	2.1	2.8	.7	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15
TOTAL	6	27	31	23	16	11	19	6	3	0	0	0	0	0	0	0	0	0	0	0	142
PCT	4.2	19.0	21.8	16.2	11.3	7.7	13.4	4.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

APRIL

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1854-1975AREA 0018 FALKLAND ISLANDS
51.85 57.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	3.9	.0	.0	.0	.0	.0	.0	3.9	.0	.0	26.0	5.2	5.2	.0	59.7
NE	11.8	.0	3.1	.0	.0	.0	.0	15.0	.0	.0	29.9	.0	.0	.0	55.1
E	14.7	.0	.0	.0	.0	.0	.0	14.7	.0	.0	20.6	.0	.0	.0	64.7
SE	18.8	.0	2.1	.0	.0	.0	.0	20.8	.0	.0	6.3	.0	.0	.0	72.9
S	6.5	8.7	6.5	.0	2.2	.0	.0	21.7	.0	.0	10.9	.0	.0	.0	67.4
SW	5.1	5.1	6.8	.0	.8	.0	.0	16.9	.0	.0	5.9	.0	.0	.0	77.1
W	5.1	4.0	3.1	.0	.0	.0	.0	11.0	.0	.0	10.2	.0	.0	.0	78.2
NW	8.3	.6	2.9	.0	.0	.0	.0	11.7	.0	.0	7.0	.0	.0	.0	80.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	66.7
TOT PCT	7.8	2.6	3.5	.0	.3	.0	.0	13.7	.0	.3	11.9	.3	.3	.0	73.5
TOT OBS:	344														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DR7L	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	12.0	2.6	3.4	.0	.0	.0	.0	17.9	.0	.9	13.7	.0	.0	.0	67.5
06009	6.0	1.5	4.5	.0	1.5	.0	.0	11.9	.0	.0	10.4	1.5	.0	.0	76.1
12015	8.0	3.5	1.8	.0	.0	.0	.0	13.3	.0	.0	11.5	.0	.0	.0	75.2
18021	5.5	2.7	4.1	.0	.0	.0	1.4	12.3	.0	.0	9.6	.0	1.4	.0	76.7
TOT PCT	8.4	2.7	3.2	.0	.3	.0	.3	14.3	.0	.3	11.6	.3	.3	.0	73.2
TOT OBS:	370														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.2	2.3	3.1	2.2	.4	.0		8.3	16.9	7.1	9.7	13.6	8.8	9.9	7.2	4.3	7.2	
NE	.4	2.3	3.2	.4	.1	.0		6.3	13.0	9.7	6.3	4.5	3.3	6.5	5.6	4.3	7.2	
E	.3	2.1	.9	.2	.0	.0		3.5	9.6	3.4	2.8	.0	2.2	3.4	4.6	4.3	4.1	
SE	.4	3.1	2.1	.4	.0	.0		6.0	10.9	6.0	8.5	4.5	7.7	4.3	5.6	.0	6.7	
S	.1	1.6	3.4	1.6	.4	.1		7.1	17.3	3.9	5.1	4.5	8.8	12.5	8.2	6.5	3.4	
SW	.5	5.4	7.2	5.5	1.1	.2		19.9	17.6	19.6	18.8	13.6	18.7	16.4	23.4	25.0	21.4	
W	1.3	6.1	10.4	4.1	1.7	.3		23.9	17.1	25.2	23.3	29.5	21.4	23.9	21.4	16.3	29.4	
NW	.9	7.7	9.6	4.7	.9	.3		23.8	15.3	23.3	24.4	29.5	26.9	21.3	23.4	34.8	20.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3							1.3	.0	1.7	1.1	.0	2.2	1.7	.7	4.3	.0	
TOT OBS	37	216	281	134	33	4	705		15.7	11.6	8.8	22	91	116	152	23	97	
TOT PCT	5.2	30.6	39.9	19.0	4.7	.6		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	09	18
N	1.3	8.8	2.9	1.1	.1		8.3	16.9	8.2	9.7	8.4	6.7
NE	1.1	3.1	2.0	.1	.0		6.3	13.0	8.2	3.5	6.0	6.7
E	1.1	1.9	.5	.0	.0		3.5	9.6	3.2	1.8	4.1	4.2
SE	1.7	3.3	.9	.1	.0		6.0	10.9	7.1	7.1	5.0	5.4
S	1.0	2.3	2.7	1.0	.1		7.1	17.3	4.4	8.0	10.1	4.0
SW	2.4	7.1	7.0	3.0	.3		19.9	17.6	19.2	17.7	20.3	22.1
W	3.3	9.3	6.4	4.1	.8		23.9	17.1	24.4	23.0	22.5	26.9
NW	3.5	10.7	6.8	2.7	.1		23.8	15.3	23.8	27.4	22.5	23.3
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.5	1.8	1.1	.8
TOT OBS	117	285	206	87	10	705		15.7	20.4	113	268	120
TOT PCT	16.6	40.4	29.2	12.3	1.4		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1855-1975

APRIL

AREA 0016 FALKLAND ISLANDS
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00603	1.5	3.9	28.9	44.1	17.6	3.9	.0	15.4	100.0	204
06609	1.8	4.4	28.3	43.4	18.6	2.7	.9	15.2	100.0	113
12615	1.1	4.1	32.1	36.2	19.0	6.7	.7	16.0	100.0	268
18621	.8	3.3	32.5	37.5	21.7	3.3	.8	15.8	100.0	120
TOT	9	28	216	281	134	33	4	15.7		705
PCT	1.3	4.0	30.6	39.9	19.0	4.7	.6	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	4.0	.7	1.3	5.0		5.0
NE	.0	.0	1.3	4.3		7.7
E	.0	.0	.0	1.3		8.0
SE	.0	.0	1.3	1.3		7.5
S	1.3	2.0	2.0	1.3		4.5
SW	4.0	3.7	7.0	4.0		4.9
W	3.7	6.3	6.3	7.7		5.2
NW	11.0	.7	7.3	9.7		4.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	1.3		8.0
TOT OBS	18	10	26	27	75	5.2
TOT PCT	24.0	13.3	26.7	36.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <1/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <1/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	1.3	.0	1.0	.0	.0	1.3	.0	7.3	
NE	1.3	.0	1.3	.0	1.3	.3	.0	.0	.0	.0	1.3	
E	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	1.3	
S	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	3.3	
SW	.0	.0	.0	1.3	3.0	3.3	.0	.0	.0	.0	11.0	
W	1.3	.0	.0	2.3	2.3	.7	4.0	.0	.0	.0	13.3	
NW	2.7	.0	.0	3.0	2.7	.7	1.3	.0	.0	2.7	15.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	5	0	1	6	8	7	5	0	1	2	40	75
TOT PCT	6.7	.0	1.3	8.0	10.7	9.3	6.7	.0	1.3	2.7	53.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
= OR >3500	6.7	9.3	10.7	10.7	10.7	10.7	10.7	10.7
= OR >2000	10.7	18.7	20.0	20.0	20.0	20.0	20.0	20.0
= OR >1000	20.0	30.7	32.0	32.0	32.0	32.0	32.0	32.0
= OR >600	22.7	34.7	38.7	40.0	40.0	40.0	40.0	40.0
= OR >300	22.7	36.0	40.0	41.3	41.3	41.3	41.3	41.3
= OR >150	22.7	36.0	40.0	41.3	41.3	41.3	41.3	41.3
= OR >0	22.7	36.0	40.0	42.7	44.0	46.7	46.7	46.7
TOTAL	17	27	30	32	33	33	35	35

TOTAL NUMBER OF OBS: 75

PCT FREQ NH <5/8: 53.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
13.4	9.8	8.5	13.4	6.1	3.7	7.3	7.3	24.4	6.1	82

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1855-1975

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AREA 0018 FALKLAND ISLANDS
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.3	.0	.0	.3	.0	.3	.0	.0
	TOT %	.0	.0	.0	.0	.3	.0	.0	.3	.0	.3	.0	.0
1/2<1	PCP	.0	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.3	.3	.0	.4	.1	.3	.0	.0	.0	.0	.0	1.5
	TOT %	.3	.7	.1	.6	.3	.3	.0	.0	.0	.0	.0	2.3
1<2	PCP	.0	.3	.0	.7	.4	.6	.5	.7	.0	.0	.0	3.2
	NO PCP	.0	.9	.0	.9	.0	.3	.3	.6	.0	.0	.0	2.9
	TOT %	.0	1.2	.0	1.6	.4	.9	.8	1.2	.0	.0	.0	6.2
2<5	PCP	.0	.0	.3	.3	.3	.3	.4	.7	.0	.0	.0	2.3
	NO PCP	.6	2.1	.3	.7	.1	.6	1.8	2.3	.0	.0	.0	8.5
	TOT %	.6	2.1	.6	1.0	.4	.9	2.2	3.1	.0	.0	.0	10.9
5<10	PCP	.2	.1	.3	.3	.6	1.8	1.3	1.0	.0	.0	.0	5.6
	NO PCP	2.6	2.8	2.1	2.1	3.8	9.1	14.4	10.6	.0	.3	.0	47.8
	TOT %	2.9	2.9	2.3	2.3	4.4	10.9	15.8	11.7	.0	.3	.0	53.4
10+	PCP	.0	.3	.0	.0	.0	.0	.3	.3	.0	.0	.0	.9
	NO PCP	1.9	1.9	1.9	1.5	.9	4.1	6.5	6.5	.0	.3	.0	25.9
	TOT %	1.9	2.2	1.9	1.5	.9	4.1	6.8	6.8	.0	.3	.0	26.4
TOT OBS		5.6	9.0	5.0	7.0	6.7	17.0	25.6	23.1	.0	.9	100.0	341
TOT PCT		5.6	9.0	5.0	7.0	6.7	17.0	25.6	23.1	.0	.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.0
	4-10	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.3	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.3	.0	.0	.3	.0	.3	.9	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.3	.1	.1	.3	.3	.3	.0	.0	.0	.0	.0	1.5
	11-21	.0	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.9
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.3	.7	.1	.6	.3	.3	.0	.0	.0	.0	.0	2.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.7	.4	.6	.6	.6	.0	.0	.0	2.9
	11-21	.0	1.2	.0	.9	.0	.0	.2	.7	.0	.0	.0	2.9
	22+	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3
	TOT %	.0	1.2	.0	1.6	.4	.9	.8	1.2	.0	.0	.0	6.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3
	4-10	.6	1.2	.3	.6	.0	.3	1.8	2.0	.0	.0	.0	6.7
	11-21	.0	.9	.3	.4	.4	.6	.1	1.0	.0	.0	.0	3.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.6	2.0	.6	1.0	.4	.9	2.2	3.1	.0	.0	.0	10.8
5<10	0-3	.0	.0	.3	.3	.0	.3	.6	.6	.0	.3	.3	2.3
	4-10	1.3	.3	1.5	1.2	.9	3.2	3.4	9.6	.0	.0	.0	17.3
	11-21	.7	1.8	.4	.3	3.1	4.7	7.5	3.8	.0	.0	.0	22.2
	22+	.8	.8	.1	.6	.4	2.6	4.3	1.7	.0	.0	.0	11.4
	TOT %	2.9	2.9	2.3	2.3	4.4	10.8	15.7	11.6	.0	.3	.3	53.2
10+	0-3	.3	.6	.0	.0	.0	.3	.7	.4	.0	.3	.3	2.6
	4-10	.6	1.0	1.3	.6	.1	1.5	2.3	2.8	.0	.0	.0	10.2
	11-21	.7	.6	.6	.9	.4	2.2	3.0	3.3	.0	.0	.0	11.7
	22+	.3	.0	.0	.0	.3	.3	.9	.3	.0	.0	.0	2.0
	TOT %	1.9	2.2	1.9	1.5	.9	4.2	6.9	6.8	.0	.3	.3	26.6
TOT OBS		5.6	9.0	5.0	7.0	6.7	17.1	25.7	23.0	.0	.9	100.0	342
TOT PCT		5.6	9.0	5.0	7.0	6.7	17.1	25.7	23.0	.0	.9	100.0	

APRIL

PERIOD: (PRIMARY) 1908-1975
(OVER-ALL) 1855-1975AREA 0018 FALKLAND ISLANDS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOURL (GMT)	000 149	150 289	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	10.0	.0	5.0	5.0	15.0	10.0	10.0	.0	.0	.0	55.0	45.0	20
06009	4.8	.0	.0	4.8	14.3	4.8	4.8	.0	.0	4.8	38.1	61.9	21
12015	.0	.0	.0	6.3	.0	12.5	12.5	.0	6.3	.0	37.5	62.5	16
18021	9.5	.0	.0	14.3	14.3	9.5	.0	.0	.0	4.8	52.4	47.6	21
TOT	5	0	1	6	9	7	5	0	1	2	36	42	78
PCT	6.4	.0	1.3	7.7	11.5	9.0	6.4	.0	1.3	2.6	46.2	53.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.9	3.4	5.1	12.0	59.0	19.7	117
06009	.0	6.0	11.9	11.9	40.3	29.9	67
12015	.9	.0	4.5	8.0	58.0	28.6	112
18021	1.4	.0	4.2	13.9	48.6	31.9	72
TOT	3	8	22	41	196	98	368
PCT	.8	2.2	6.0	11.1	53.3	26.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	10.0	15.0	20.0	35.0	45.0	20
06009	4.8	4.8	14.3	23.8	61.9	21
12015	.0	.0	7.1	35.7	57.1	14
18021	5.0	5.0	20.0	30.0	50.0	20
TOT	4	5	12	23	40	75
PCT	5.3	6.7	16.0	30.7	53.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
50/54	.0	.0	.0	.0	.3	.3	1.8	1.2	12	3.7
45/49	.0	.0	.0	.0	1.2	10.2	16.9	16.0	144	44.3
40/44	.0	.0	.0	.3	5.5	9.2	14.8	12.0	136	41.8
35/39	.0	.0	.0	.0	.6	1.2	3.7	4.0	31	9.5
30/34	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	2	25	68	122	108	325	100.0
PCT	.0	.0	.0	.6	7.7	20.9	37.5	33.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
.3	.3	.3	.0	.0	.2	.9	1.7	.0	.0
2.9	3.1	2.2	1.7	1.0	7.7	13.4	12.1	.0	.3
.6	5.2	3.2	4.8	3.4	7.0	8.4	8.9	.0	.3
1.0	1.5	.5	1.2	2.0	1.7	.8	.6	.0	.3
.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
4.8	10.1	6.2	7.7	6.4	16.5	24.1	23.3	.0	.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	51	50	48	43	37	35	33	43.2	215
06009	51	50	48	44	38	37	34	43.5	121
12015	53	50	49	44	38	35	34	43.7	271
18021	55	53	51	44	38	33	31	44.6	126
TOT	55	51	49	44	38	35	31	43.7	733

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	7.9	21.9	35.1	35.1	85	114
06009	.0	.0	1.6	19.7	34.4	44.3	87	61
12015	.0	1.0	9.5	21.0	39.0	29.5	84	105
18021	.0	1.4	8.6	20.0	45.7	24.3	83	70
TOT	0	2	26	73	134	115	84	390

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PERIOD: (PRIMARY) 1908-1975
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	49 52	53 56	TOT	N FOG	WD FOG
9/10	.0	.0	.0	.0	.0	.5	1	.0	.5
7/8	.0	.0	.0	.0	.5	.0	1	.0	.5
6	.0	.0	.0	.5	.0	.0	1	.5	.0
5	.0	.0	.0	.0	.0	.5	1	.0	.5
4	.0	.0	.0	.0	.9	.0	2	.5	.5
3	.0	.0	.0	1.8	3.2	.0	11	.0	5.0
2	.0	.0	.5	7.2	1.4	.0	20	.9	8.1
1	.0	.0	2.7	7.7	3.6	.0	31	2.3	11.8
0	.0	.0	2.3	14.5	.5	.0	38	3.2	14.0
-1	.0	.5	2.3	8.1	.0	.0	24	1.4	9.5
-2	.0	.9	8.1	4.1	.0	.0	29	4.5	8.6
-3	.0	3.6	5.0	2.3	.0	.0	24	3.2	7.7
-4	.0	3.2	3.6	.0	.0	.0	15	.9	5.9
-5	.0	2.3	.9	.0	.0	.0	7	.0	3.2
-6	.5	1.8	.5	.0	.0	.0	6	.0	2.7
-7/-8	.0	4.5	.0	.0	.0	.0	10	.0	4.5
TOTAL	1		57	102	22	2	221	38	103
PCT	.5	16.7	25.8	46.2	10.0	.9	100.0	17.2	82.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.1	3.1	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	3.1	.0	.0	.0	3.1	.0	.0	6.3	.0	.0	.0	6.3
7	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	6.3	2.3	.0	.0	11.7	.0	.0	6.3	.8	.0	.0	7.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

APRIL

AREA 0018 FALKLAND ISLANDS
51.85 57.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	3.1	3.9	.0	.0	.0		7.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	3.1	.0	.0	.0		3.1
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	6.3	.0	.0	.0		6.3
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	3.1	.0	.0		3.1
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	3.1	.0	.0		3.1
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	3.1	.0		3.1
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	3.1	13.3	6.3	3.1	.0		25.8

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	3.1	5.5	.0	.0	.0		8.6	.0	.0	3.1	.0	.0	.0		3.1	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	9.4	.0	.0	.0		9.4	
5-6	.0	.0	3.1	6.3	.0	.0		9.4	.0	.0	3.1	.0	.0	.0		3.1	
7	.0	.0	6.3	.0	.0	.0		6.3	.0	.0	3.1	.0	.0	.0		3.1	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	2.3	.0		2.3	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	3.1	.0	.0		3.1	.0	.0	.0	3.1	.0	.0		3.1	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	3.1	14.8	9.4	2.3	.0		29.7	.0	.0	18.8	3.1	.8	.0		22.7	96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.1	.0	.0	.0	.0	.0	3.1	
1-2	.0	6.3	12.5	.0	.0	.0	18.8	
3-4	.0	3.1	15.6	.0	.0	.0	18.8	
5-6	.0	.0	21.9	6.3	.0	.0	28.1	
7	.0	.0	9.4	6.3	.0	.0	15.6	
8-9	.0	.0	.0	3.1	.0	.0	3.1	
10-11	.0	.0	.0	.0	3.1	.0	3.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	6.3	.0	.0	6.3	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	3.1	.0	3.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.1	9.4	59.4	21.9	6.3	.0	100.0	32

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	1.9	22.2	9.3	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	4
6-7	.0	1.9	3.7	9.3	13.0	3.7	.0	.0	1.9	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	20	7
8-9	.0	.0	.0	3.7	1.9	1.9	.0	.0	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	6	10
10-11	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	2	14
12-13	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	3	15
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	16
INDET	.0	.0	.0	1.9	1.9	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
TOTAL	.0	2	14	13	10	4	1	.0	2	4	4	.0	.0	.0	.0	.0	.0	.0	.0	54	7
PCT	.0	3.7	25.9	24.1	18.5	7.4	1.9	.0	3.7	7.4	7.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974

MAY

AREA 0018 FALKLAND ISLANDS
51.93 57.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	14.9	4.3	8.5	.0	2.1	.0	4.3	34.0	.0	.0	29.8	.0	.0	.0	36.2
NE	13.3	.0	20.0	.0	.0	.0	6.7	40.0	.0	.0	13.3	.0	.0	.0	46.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	20.0	20.0	.0	20.0	20.0	.0	.0	.0	40.0
S	.0	5.3	.0	.0	10.5	.0	.0	15.8	.0	.0	15.8	.0	.0	.0	68.4
SW	6.9	8.5	.0	.0	2.3	.0	3.1	20.6	1.5	.0	8.5	.0	.0	.0	69.2
W	5.7	1.4	4.3	.0	.7	.0	1.4	13.5	.0	.0	12.8	.0	.0	.0	73.8
NW	4.9	.0	8.0	.0	.6	.0	.6	14.2	1.2	.0	18.5	.0	.0	.0	66.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	33.3	.0	33.3
TOT PCT	6.4	3.0	4.9	.0	1.5	.0	2.2	18.0	.7	.4	15.4	.0	.4	.0	65.2
TOT OBS:	267														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	7.0	2.0	4.0	.0	1.0	.0	.0	14.0	.0	1.0	12.0	.0	1.0	.0	72.0
06009	5.9	.0	2.0	.0	2.0	.0	2.0	11.8	.0	.0	15.7	.0	.0	.0	72.3
12013	4.2	5.3	5.3	.0	2.1	.0	4.2	21.1	1.1	.0	13.7	.0	.0	.0	64.2
18021	5.5	1.8	5.5	.0	.0	.0	3.6	16.4	1.8	.0	18.2	.0	.0	.0	63.6
TOT PCT	5.6	2.7	4.3	.0	1.3	.0	2.3	16.3	.7	.3	14.3	.0	.3	.0	68.1
TOT OBS:	301														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.2	2.5	4.0	4.4	1.1	.0		12.1	19.8		14.3	15.0	.0	10.4	8.8	11.5	.0	15.0
NE	.4	.9	1.1	.2	.0	.2		2.8	13.8		3.3	1.3	.0	.0	2.0	4.3	.0	4.5
E	.3	.2	.6	.4	.5	.2		2.1	23.4		3.3	1.3	16.7	1.6	.5	2.0	20.0	2.0
SE	.3	1.2	2.4	1.1	.7	.0		5.8	17.6		4.3	6.9	.0	10.4	3.4	7.2	.0	3.0
S	.2	1.0	2.3	1.6	.8	.1		6.1	20.4		9.7	3.1	.0	4.4	7.6	8.3	15.0	5.0
SW	.2	4.2	10.0	3.7	1.7	.2		19.8	18.0		16.7	17.5	25.0	15.9	24.8	21.6	5.0	21.0
W	.2	3.8	10.6	6.9	1.4	.2		23.2	19.0		28.6	25.6	25.0	25.8	20.6	19.3	.0	24.0
NW	.8	5.6	11.5	7.8	1.1	.0		26.8	17.7		21.9	28.1	33.3	31.3	31.4	24.7	40.0	24.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0		1.9	1.3	.0	.0	1.0	1.1	20.0	1.0
TOT OBS	25	128	283	173	48	6	663		18.2		105	80	6	91	102	174	5	100
TOT PCT	3.8	19.3	42.7	26.1	7.2	.9		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WNO DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	00 03					06 09	12 15	18 21		
N	1.1	3.5	4.4	3.0	.2		12.1	19.8	14.6	9.8	10.5	14.3		
NE	1.1	1.2	.2	.1	.2		2.8	13.8	2.4	.0	3.4	4.3		
E	.5	.5	.3	.7	.2		2.1	23.4	2.4	2.6	1.4	2.9		
SE	1.2	2.0	1.1	1.4	.2		5.8	17.6	5.4	9.8	5.8	2.9		
S	.2	2.2	2.3	1.1	.3		6.1	20.4	4.6	4.1	8.1	5.5		
SW	1.7	8.3	6.2	2.7	.9		19.8	18.0	17.0	16.5	22.7	20.2		
W	1.7	8.1	9.0	3.6	.8		23.2	19.0	27.3	25.8	19.7	22.9		
NW	2.5	9.2	10.6	4.5	.0		26.8	17.7	24.6	31.4	27.2	25.2		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	1.2						1.2	.0	1.9	.0	1.1	1.9		
TOT OBS	74	232	226	113	18	663		18.2	183	97	276	105		
TOT PCT	11.2	35.0	34.1	17.0	2.7		100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974

MAY

AREA 0018 FALKLAND ISLANDS
51.93 57.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	1.6	2.2	22.2	44.3	22.2	7.0	.5	17.4	100.0	185
06009	.0	3.1	21.6	38.1	27.8	9.3	.0	18.3	100.0	97
12015	1.1	2.5	17.0	42.8	29.7	5.8	1.1	18.6	100.0	276
18021	1.9	2.9	18.1	43.8	21.9	9.5	1.9	18.8	100.0	105
TOT	8	17	128	283	173	48	6	18.2		663
PCT	1.2	2.6	19.3	42.7	26.1	7.2	.9		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	7.1	9.5		7.2
NE	.0	.0	.0	2.4		8.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	3.6	.0	3.6	.0		4.0
SW	8.3	9.5	1.2	9.5		4.1
W	2.4	4.8	4.8	4.8		3.4
NH	4.8	.0	16.7	7.1		5.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	3	7	7	21	5.4
TOT PCT	19.0	14.3	33.3	33.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	4.8	.0	.0	2.4	.0	.0	4.8	.0	.0	4.8	.0	
NE	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	3.6
SW	.0	.0	.0	.0	6.0	4.8	.0	.0	.0	.0	.0	17.9
W	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	11.9
NH	.0	.0	.0	4.8	4.8	.0	9.5	.0	.0	.0	.0	9.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	0	0	2	3	1	9	1	0	1	9	21
TOT PCT	4.8	.0	.0	9.5	14.3	4.8	14.3	4.8	.0	4.8	42.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR >10	OR >5	OR >2	VSBY (NM) OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >6500	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
OR >5000	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
OR >3500	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
OR >2000	23.8	28.6	28.6	28.6	28.6	28.6	28.6	28.6
OR >1000	38.1	42.9	42.9	42.9	42.9	42.9	42.9	42.9
OR >600	42.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4
OR >300	42.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4
OR >150	42.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4
OR >0	42.9	52.4	52.4	52.4	52.4	57.1	57.1	57.1
TOTAL	9	11	11	11	11	12	12	12

TOTAL NUMBER OF OBS: 21

PCT FREQ NH <5/8: 42.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
	9.7	6.5	3.2	6.5	9.7	6.5	16.1	19.4	22.6	.0	31

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974

MAY

AREA 0018 FALKLAND ISLANDS
51.9S 57.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.2	.0	.0	.0	.0	.4	.4	1.0	.0	.4	2.3	
	TOT %	.6	.0	.0	.0	.0	.4	.4	1.0	.0	.4	2.7	
1/2<1	PCP	.0	.0	.0	.0	.0	.6	.2	.0	.0	.0	.8	
	NO PCP	1.3	.0	.0	.4	.0	.6	1.5	3.8	.0	.0	7.7	
	TOT %	1.3	.0	.0	.4	.0	1.2	1.7	3.8	.0	.0	8.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	NO PCP	.4	.0	.0	.0	.0	.0	.4	1.2	.0	.4	2.3	
	TOT %	.4	.0	.0	.0	.0	.0	.4	1.9	.0	.4	3.1	
2<5	PCP	.2	.0	.0	.0	.4	.0	.0	.2	.0	.0	.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	TOT %	.2	.0	.0	.0	.4	.0	.0	.6	.0	.0	1.2	
5<10	PCP	2.3	1.0	.0	.4	.2	4.2	2.9	2.5	.0	.0	13.5	
	NO PCP	3.3	1.3	.4	.4	2.5	16.9	19.4	16.9	.0	.4	61.5	
	TOT %	5.6	2.3	.4	.8	2.7	21.2	22.3	19.4	.0	.4	75.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.8	.4	.4	.4	.6	1.9	1.7	3.5	.0	.0	9.6	
	TOT %	.8	.4	.4	.4	.6	1.9	1.7	3.5	.0	.0	9.6	
TOT OBS		260											
TOT PCT		8.8	2.7	.8	1.5	3.7	24.6	26.5	30.2	.0	1.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.4	1.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.4	.0	.0	.0	.0	.4	.4	.0	.0	.0	1.1	
	22+	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.4	
	TOT %	.6	.0	.0	.0	.0	.4	.4	1.0	.0	.4	2.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	4-10	.2	.0	.0	.4	.0	.0	.6	1.5	.0	.0	2.7	
	11-21	.0	.0	.0	.0	.0	.8	.8	1.5	.0	.0	3.0	
	22+	1.1	.0	.0	.0	.0	.4	.4	.4	.0	.0	2.3	
	TOT %	1.3	.0	.0	.4	.0	1.1	1.7	3.8	.0	.0	8.4	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.4	.0	.4	.8	
	4-10	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	11-21	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.8	
	22+	.4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.8	
	TOT %	.4	.0	.0	.0	.0	.0	.4	1.9	.0	.4	3.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	11-21	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	
	22+	.2	.0	.0	.0	.8	.0	.0	.2	.0	.0	1.1	
	TOT %	.2	.0	.0	.0	1.1	.0	.0	.6	.0	.0	1.9	
5<10	0-3	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.8	
	4-10	3.0	1.1	.0	.0	.6	5.9	4.6	6.5	.0	.0	21.7	
	11-21	1.0	.8	.4	.4	1.5	10.3	12.0	8.4	.0	.0	34.6	
	22+	1.5	.0	.0	.4	.6	4.8	5.5	4.4	.0	.0	17.1	
	TOT %	5.5	2.3	.4	.8	2.7	20.9	22.1	19.2	.0	.4	74.1	
10+	0-3	.2	.2	.0	.0	.0	.0	.0	.4	.0	.0	.8	
	4-10	.2	.0	.0	.4	.3	.3	.6	1.3	.0	.0	3.0	
	11-21	.6	.4	.4	.0	.0	1.5	.8	1.3	.0	.0	4.9	
	22+	.0	.0	.0	.0	.3	.1	.4	.4	.0	.0	1.1	
	TOT %	1.0	.6	.4	.4	.6	1.9	1.7	3.4	.0	.0	9.9	
TOT OBS		263											
TOT PCT		8.9	2.9	.8	1.5	4.4	24.3	26.2	29.8	.0	1.1	100.0	

MAY

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974AREA 0018 FALKLAND ISLANDS
51.95 57.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	9.1	.0	.0	9.1	.0	9.1	18.2	.0	.0	9.1	54.5	45.5	11
06009	.0	.0	.0	.0	20.0	.0	20.0	.0	.0	.0	40.0	60.0	5
12015	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	50.0	50.0	4
18021	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7	33.3	3
TOT PCT	1 4.3	0 .0	0 .0	2 8.7	3 13.0	1 4.3	3 13.0	1 4.3	0 .0	1 4.3	12 52.2	11 47.8	23 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	3.1	8.2	1.0	2.0	74.5	11.2	98
06009	3.8	7.7	1.9	3.8	73.1	9.6	52
12015	1.1	7.4	4.2	1.1	80.0	6.3	95
18021	1.9	5.8	3.8	.0	76.9	11.5	52
TOT PCT	7 2.4	22 7.4	8 2.7	5 1.7	227 76.4	28 9.4	297 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	10.0	10.0	70.0	40.0	40.0	10
06009	.0	.0	.0	40.0	60.0	5
12015	.0	.0	.0	66.7	33.3	3
18021	.0	.0	33.3	33.3	33.3	3
TOT PCT	1 4.8	1 4.8	3 14.3	9 42.9	9 42.9	21 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.0	.0	.9	.5	.5	4	1.9
45/49	.0	.0	.0	.0	.0	5.6	10.2	14.9	66	30.7
40/44	.0	.0	.5	.0	5.1	2.8	15.3	23.7	102	47.4
35/39	.0	.0	.5	.8	1.9	1.4	6.0	6.5	36	16.7
30/34	.0	.0	.0	.0	.0	.5	1.9	.5	6	2.8
25/29	.0	.0	.0	.0	.5	.0	.0	.0	1	.5
TOTAL	0	0	2	1	16	24	73	99	215	100.0
PCT	.0	.0	.9	.5	7.4	11.2	34.0	46.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	1.2	.2	.5	.0	.0
4.9	.0	.0	.0	.3	4.1	8.8	11.6	.0	.9
2.6	2.6	.9	1.4	1.4	12.6	13.3	12.8	.0	.0
.5	.2	.0	.5	1.6	7.4	3.5	2.6	.0	.5
.5	.0	.0	.0	.0	.5	.9	.9	.0	.0
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
8.4	2.8	.9	1.9	3.8	25.7	26.7	28.4	.0	1.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	52	51	47	42	34	30	29	41.5	201
06009	53	49	47	42	34	30	30	41.5	106
12015	51	50	47	42	34	32	31	41.4	281
18021	51	50	48	43	35	32	32	41.8	112
TOT	53	50	47	42	34	31	29	41.5	700

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	8.4	14.5	34.9	41.0	86	83		
06009	.0	2.3	4.7	7.0	46.5	39.5	86	43		
12015	.0	1.3	7.6	10.1	31.6	49.4	87	79		
18021	.0	2.4	7.1	14.3	23.8	52.4	87	42		
TOT	0	4	18	29	84	112	86	247		

PERIOD: (PRIMARY) 1903-1974
(OVER-ALL) 1869-1974

MAY

AREA 0018 FALKLAND ISLANDS
51.95 57.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	TOT	h FOG	WD FOG
9/10	.0	.0	.0	.0	.0	1.2	2	.0	1.2
7/8	.0	.0	.0	.0	.0	.6	1	.0	.6
5	.0	.0	.0	.0	1.2	.0	2	1.2	.0
4	.0	.0	.0	.6	.6	1.2	4	.0	2.4
3	.0	.0	.0	.6	5.9	.0	11	2.4	4.1
2	.0	.0	.6	1.2	4.7	.6	12	1.8	5.3
1	.0	.0	.0	4.7	13.5	.6	32	4.1	14.7
0	.0	.0	.6	9.4	5.3	.0	26	1.8	13.4
-1	.0	.0	.6	11.2	.6	.0	21	1.2	11.2
-2	.0	.0	2.4	7.1	1.2	.0	18	.6	10.0
-3	.0	.0	2.9	1.8	.0	.0	8	1.2	3.5
-4	.0	.0	3.5	1.8	.0	.0	9	1.2	4.1
-5	.0	.6	.6	.6	.0	.0	3	.0	1.8
-6	.0	.0	5.3	.6	.0	.0	10	1.8	4.1
-7/-8	.0	.6	1.8	.0	.0	.0	4	.6	1.8
-9/-10	.0	2.4	.0	.0	.0	.0	4	.0	2.4
-11/-13	.0	1.2	.0	.0	.0	.0	2	.0	1.2
-14/-16	.6	.0	.0	.0	.0	.0	1	.0	.6
TOTAL	1		31		56			30	140
		8		67		7	170		
PCT	.6	4.7	18.2	39.4	32.9	4.1	100.0	17.6	82.4

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1974

MAY

TABLE 18 (CONT)

AREA 0018 FALKLAND ISLANDS
51.95 57.3W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	100.0	.0	.0	100.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	1

PERIOD: (OVER-ALL) 1950-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	22.2	11.1	22.2	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6
6-7	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
TOTAL	.0	2	1	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	9	5
PCT	.0	22.2	11.1	44.4	11.1	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

JUNE

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969AREA 0018 FALKLAND ISLANDS
52.15 56.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0	.0	.0	87.1
NE	.0	.0	25.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	25.0	.0	50.0
E	.0	.0	36.4	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
SE	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	.0	33.3
S	7.1	14.3	.0	.0	28.6	.0	.0	35.7	.0	.0	.0	.0	.0	.0	64.3
SW	4.7	18.6	9.3	.0	23.3	.0	.0	37.2	.0	.0	.0	.0	.0	.0	62.8
W	.0	.0	.0	.0	8.2	.0	.0	8.2	.0	.0	16.4	.0	.0	.0	75.3
NW	4.9	.0	4.9	.0	.0	.0	.0	9.8	.0	.0	14.6	.0	.0	.0	75.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	5.3	4.0	5.3	.0	8.0	.0	.0	18.7	.0	.0	9.3	.0	1.3	.0	70.7
TOT OBS:	75														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	4.3	4.3	8.7	.0	8.7	.0	.0	21.7	.0	.0	8.7	.0	.0	.0	69.6
06009	9.1	.0	9.1	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	81.8
12015	8.0	4.0	.0	.0	8.0	.0	.0	16.0	.0	.0	12.0	.0	4.0	.0	68.0
18021	.0	5.3	5.3	.0	15.8	.0	.0	21.1	.0	.0	10.5	.0	.0	.0	68.4
TOT PCT	5.1	3.8	5.1	.0	9.0	.0	.0	19.2	.0	.0	9.0	.0	1.3	.0	70.5
TOT OBS:	78														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.5	3.1	2.3	3.5	.5	.1		11.1	16.9		10.9	6.9	16.7	5.0	7.5	16.0	22.5	13.0
NE	.5	1.8	1.9	.5	.0	.0		4.7	12.5		8.2	2.9	.0	3.0	4.8	4.3	.0	5.6
E	.9	2.2	1.0	.8	.0	.0		4.9	10.8		2.0	2.9	.0	5.0	7.0	7.6	.0	3.7
SE	.8	1.4	2.0	.4	.9	.0		5.5	15.7		6.3	5.9	.0	4.0	3.5	4.8	10.0	8.3
S	.1	.6	2.2	2.0	.4	.0		5.3	20.0		5.5	7.8	.0	4.0	7.0	3.3	15.0	4.6
SW	.0	4.1	7.6	4.2	3.0	1.0		19.9	21.7		20.3	21.6	.0	26.0	20.2	17.6	15.0	18.5
W	.6	3.2	9.0	6.8	2.3	.5		22.5	20.6		23.0	24.5	33.3	23.0	25.0	19.0	20.0	23.1
NW	1.1	5.1	8.5	6.5	2.0	1.4		24.6	20.5		23.8	23.5	50.0	26.0	23.2	26.4	17.5	23.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0		.0	3.9	.0	4.0	1.8	1.0	.0	.0
TOT OBS	28	85	136	97	36	12	394		18.9		64	51	3	50	57	105	10	54
TOT PCT	7.1	21.6	34.5	24.6	9.1	3.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	06	12
N	3.2	2.2	2.6	2.7	.4		11.1	16.9		4.1	5.7	13.0	14.5	
NE	1.5	1.2	1.9	.1	.0		4.7	12.5		5.9	2.8	4.5	4.7	
E	1.8	2.1	.6	.4	.0		4.9	10.8		2.4	4.7	7.4	3.1	
SE	1.3	2.2	.9	1.1	.0		5.5	15.7		6.1	3.8	4.3	8.6	
S	.5	1.0	2.8	1.0	.0		5.3	20.0		6.5	3.8	4.6	6.3	
SW	1.0	8.2	4.7	3.8	2.2		19.9	21.7		20.9	24.5	18.5	15.0	
W	1.8	7.6	7.4	4.0	1.6		22.5	20.6		23.7	23.6	21.1	22.7	
NW	3.7	6.0	8.2	4.3	2.4		24.6	20.5		23.7	27.4	25.3	22.3	
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
CALM	1.5						1.5	.0		1.7	3.8	1.2	.0	
TOT OBS	64	120	115	69	26	394		18.9		115	53	162	64	
TOT PCT	16.2	30.5	29.2	17.5	6.6		100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969

JUNE

AREA 0016 FALKLAND ISLANDS
52.15 56.94

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.7	4.3	23.5	36.5	22.6	8.7	2.6	18.1	100.0	115
06009	3.8	1.9	20.8	32.1	32.1	5.7	3.8	18.9	100.0	53
12015	1.2	8.0	21.0	30.9	27.2	8.6	3.1	19.0	100.0	162
18021	.0	4.7	20.3	42.2	15.6	14.1	3.1	20.0	100.0	64
TOT	6	22	85	136	97	36	12	18.9		394
PCT	1.5	5.6	21.6	34.5	24.6	9.1	3.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.3	2.0	9.2		7.4
NE	.7	.0	.7	5.3		7.2
E	2.0	.0	2.6	.0		4.4
SE	.0	.0	2.6	.0		7.0
S	.0	1.3	3.9	2.6		6.6
SW	2.6	1.3	13.8	2.6		5.5
W	9.9	2.6	8.6	2.0		3.8
NW	3.3	3.9	2.6	12.5		6.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	7	4	14	13	38	5.6
TOT PCT	18.4	10.5	36.8	34.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	1.3	.0	.0	2.0	.0	2.6	.0	.0	.0	.0	6.6	
NE	.0	.0	.0	3.3	.0	.0	2.6	.0	.0	.0	.7	
E	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	2.0	
SE	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	1.3	5.3	.0	.0	.0	.0	1.3	
SW	.0	.0	.0	.0	3.9	5.9	.7	.0	.0	.0	9.9	
W	.0	.0	.0	.0	.0	2.0	3.4	.0	.0	.0	17.1	
NW	1.3	.0	.0	2.6	7.9	.0	.7	.0	.0	.0	9.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	4	6	6	3	0	0	0	18	38
TOT PCT	2.6	.0	.0	10.5	13.8	15.8	7.9	.0	.0	.0	47.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	2.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
>2000	12.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
>1000	20.0	32.5	37.5	37.5	37.5	37.5	37.5	37.5
>600	30.0	45.0	50.0	50.0	50.0	50.0	50.0	50.0
>300	30.0	45.0	50.0	50.0	50.0	50.0	50.0	50.0
>150	30.0	45.0	50.0	50.0	50.0	50.0	50.0	50.0
>0	30.0	45.0	52.5	52.5	52.5	52.5	52.5	52.5
TOTAL	12	18	21	21	21	21	21	21

TOTAL NUMBER OF OBS: 40

PCT FREQ NH <5/8: 47.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL
12.5	7.5	10.0	12.5	5.0	7.5	10.0	15.0	20.0	.0	40

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	3.3	2.0	.0	.0	.0	5.3	
	NO PCP	.7	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.7	
	TOT %	.7	.0	.0	.0	.0	3.3	2.0	2.0	.0	.0	8.0	
5<10	PCP	.0	1.3	1.3	2.7	2.7	.0	.0	1.3	.0	.0	9.3	
	NO PCP	5.3	2.3	1.0	.0	4.0	4.7	15.3	20.7	.0	.0	53.3	
	TOT %	5.3	3.7	2.3	2.7	6.7	4.7	15.3	22.0	.0	.0	62.7	
10+	PCP	.0	.0	.0	.0	.7	2.0	.0	1.3	.0	.0	4.0	
	NO PCP	4.3	1.7	1.3	1.3	2.0	4.3	7.0	2.0	.0	1.3	25.3	
	TOT %	4.3	1.7	1.3	1.3	2.7	6.3	7.0	3.3	.0	1.3	29.3	
TOT OBS													75
TOT PCT		10.3	5.3	3.7	4.0	9.3	14.3	24.3	27.3	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.6	
	11-21	.0	.0	.0	.0	.0	3.3	2.0	.0	.0	.0	5.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	.0	.0	.0	.0	3.3	2.0	2.0	.0	.0	7.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	1.3	
	4-10	3.3	.3	1.0	.0	.0	.0	5.3	5.9	.0	.0	15.8	
	11-21	2.0	3.3	.0	.0	2.6	5.3	6.3	10.9	.0	.0	30.3	
	22+	.0	.0	1.3	2.6	3.9	.7	3.6	3.6	.0	.0	15.8	
	TOT %	5.3	3.6	2.3	2.6	6.6	5.9	15.1	21.7	.0	.0	63.2	
10+	0-3	.0	1.3	.0	1.3	.0	.0	.0	.0	.0	1.3	3.9	
	4-10	1.0	.3	.0	.0	.0	.3	1.0	.0	.0	.0	2.6	
	11-21	1.0	.0	.0	.0	2.0	5.3	5.9	3.0	.0	.0	17.1	
	22+	2.3	.0	1.3	.0	.7	.7	.0	.3	.0	.0	5.3	
	TOT %	4.3	1.6	1.3	1.3	2.6	6.3	6.9	3.3	.0	1.3	28.9	
TOT OBS													76
TOT PCT		10.2	5.3	3.6	3.9	9.2	15.5	24.0	27.0	.0	1.3	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET/NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	140 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	16.7	8.3	16.7	16.7	.0	.0	.0	58.3	41.7	12
06009	25.0	.0	.0	25.0	25.0	.0	.0	.0	.0	.0	75.0	25.0	4
12015	.0	.0	.0	7.7	15.4	15.4	7.7	.0	.0	.0	46.2	53.8	13
18021	.0	.0	.0	9.1	18.2	18.2	.0	.0	.0	.0	45.5	54.5	11
TOT	1	0	0	5	6	6	3	0	0	0	21	19	40
PCT	2.5	.0	.0	12.5	15.0	15.0	7.5	.0	.0	.0	52.5	47.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	4.3	73.9	21.7	23
06009	.0	.0	.0	27.3	63.6	9.1	11
12015	.0	.0	.0	.0	57.7	42.3	26
18021	.0	.0	.0	10.5	52.6	36.8	19
TOT	0	0	0	6	49	24	79
PCT	.0	.0	.0	7.6	62.0	30.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET/NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	16.7	41.7	41.7	12
06009	25.0	25.0	75.0	.0	25.0	4
12015	.0	.0	7.7	38.5	53.8	13
18021	.0	.0	18.2	27.3	54.5	11
TOT	1	1	8	13	19	40
PCT	2.5	2.5	20.0	32.5	47.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
43/49	.0	.0	.0	.0	.0	5.4	8.1	5.4	14	18.9
40/44	.0	.0	.0	.0	8.1	5.4	6.8	12.2	24	32.4
35/39	.0	.0	.0	4.1	2.7	9.5	13.5	16.2	34	45.9
30/34	.0	.0	.0	.0	.0	.0	.0	2.7	2	2.7
TOTAL	0	0	0	3	8	15	21	27	74	100.0
PCT	.0	.0	.0	4.1	10.8	20.3	28.4	36.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.7	.0	.0	.0	.0	1.7	5.4	9.1	.0	.0	.0
5.4	.3	2.4	.0	2.7	4.7	5.1	11.8	.0	.0	.0
1.0	4.4	1.4	4.1	6.8	9.8	13.9	3.4	.0	1.4	.0
.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0
9.1	6.1	3.7	4.1	9.5	16.2	25.7	24.3	.0	1.4	

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	47	46	45	39	33	29	29	39.1	108
06009	47	46	45	39	32	29	29	39.3	54
12015	46	45	44	39	34	30	29	39.3	149
18021	46	45	45	40	34	33	33	39.6	62
TOT	47	46	45	39	34	30	29	39.3	383

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	8.7	8.7	17.4	30.4	34.8	82	23
06009	.0	.0	9.1	27.3	27.3	36.4	84	11
12015	.0	.0	8.3	20.8	29.2	41.7	83	24
18021	.0	5.3	15.8	15.8	31.6	31.6	80	19
TOT	0	3	8	15	23	28	83	77

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1870-1969

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	TOT	N FOG	NO FOG
7/8	.0	.0	1.4	.0	1	.0	1.4
6	.0	.0	1.4	.0	1	.0	1.4
5	.0	.0	1.4	1.4	2	.0	2.7
4	.0	.0	.0	1.4	1	.0	1.4
3	.0	.0	.0	4.1	3	.0	4.1
2	.0	.0	1.4	8.8	6	.0	8.1
1	.0	.0	4.1	.0	3	.0	4.1
0	.0	.0	4.1	4.1	6	1.4	8.8
-1	.0	4.1	5.4	.0	7	.0	9.5
-2	.0	9.5	2.7	.0	9	1.4	10.8
-3	1.4	9.5	4.1	1.4	12	2.7	13.9
-4	5.4	5.4	.0	.0	8	.0	10.8
-5	1.4	8.1	1.4	.0	8	1.4	9.5
-6	2.7	4.1	.0	.0	5	.0	6.8
-7/-8	1.4	.0	.0	.0	1	.0	1.4
-9/-10	1.4	.0	.0	.0	1	.0	1.4
TOTAL	10	30	20	14	74	5	69
PCT	13.5	40.5	27.0	18.9	100.0	6.8	93.2

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	3.1	.0	.0	.0	.0	3.1	4.2	1.0	.0	.0	.0	.0	5.2
1-2	.0	.0	3.1	.0	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	3.1	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	3.1	7.3	.0	.0	13.5	4.2	1.0	.0	.0	.0	.0	5.2

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	4.2

PERIOD: (OVER-ALL) 1963-1969

JUNE

AREA 0018 FALKLAND ISLANDS
52.15 56.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.0	5.2	.0	.0	.0	6.3
3-4	.0	.0	4.2	.0	.0	.0	4.2	.0	.0	17.7	.0	.0	.0	17.7
5-6	.0	.0	4.2	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	8.3	.0	.0	.0	8.3	.0	1.0	27.1	.0	.0	.0	28.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.1	11.5	.0	.0	.0	14.6	.0	.0	1.0	.0	.0	.0	1.0	.0
3-4	.0	.0	7.3	.0	.0	.0	7.3	.0	.0	4.2	.0	.0	.0	4.2	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	.0
7	.0	.0	3.1	4.2	.0	.0	7.3	.0	.0	5.2	.0	.0	.0	5.2	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.1	21.9	4.2	.0	.0	29.2	.0	.0	10.4	1.0	.0	.0	11.5	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.0	4.0	.0	.0	.0	.0	16.0	
1-2	.0	4.0	20.0	.0	.0	.0	24.0	
3-4	.0	.0	32.0	.0	.0	.0	32.0	
5-6	.0	.0	4.0	4.0	.0	.0	8.0	
7	.0	.0	12.0	8.0	.0	.0	20.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.0	8.0	68.0	12.0	.0	.0	100.0	25

PERIOD: (OVER-ALL) 1949-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SFC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	9.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	2
6-7	.0	.0	3.2	16.1	16.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
8-9	.0	.0	6.5	.0	.0	9.7	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
10-11	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
12-13	.0	.0	.0	.0	12.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	3.2	16.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
TOTAL	.0	3	3	6	14	3	0	2	0	0	0	0	0	0	0	0	0	0	0	31	6
PCT	.0	9.7	9.7	19.4	45.2	9.7	.0	6.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970

JULY

APEA 0018 FALKLAND ISLANDS
52.03 57.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	11.8	.0	.0	.0	.0	.0	.0	11.8	.0	3.9	.0	.0	.0	.0	84.3
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	77.8
E	.0	22.2	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
SE	.0	8.7	.0	.0	69.6	.0	.0	78.3	.0	.0	17.4	.0	.0	.0	4.3
S	.0	6.7	3.3	.0	33.3	.0	.0	43.3	.0	.0	3.3	.0	.0	.0	53.3
SW	.0	9.6	2.4	.0	14.5	.0	7.2	33.7	.0	.0	19.3	.0	.0	.0	47.0
W	.0	.0	2.1	.0	.0	.0	10.5	12.6	11.6	4.2	12.6	.0	.0	.0	58.9
NW	.0	.0	4.9	.0	.0	.0	.0	4.9	.8	.0	8.2	.0	.0	.0	86.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.3	3.1	2.3	.0	9.4	.0	3.1	20.3	2.3	1.6	9.4	.0	.0	.0	66.4
TOT OBS:	128														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	6.4	4.3	4.3	.0	6.4	.0	.0	21.3	4.3	4.3	10.6	.0	.0	.0	59.6
0600	.0	7.7	.0	.0	15.4	.0	.0	23.1	.0	.0	7.7	.0	.0	.0	69.2
1200	.0	2.8	.0	.0	13.9	.0	8.3	23.0	2.8	.0	11.1	.0	.0	.0	61.1
1800	.0	.0	3.0	.0	6.1	.0	3.0	12.1	.0	.0	9.1	.0	.0	.0	78.8
TOT PCT	2.3	3.1	2.3	.0	9.3	.0	3.1	20.2	2.3	1.6	10.1	.0	.0	.0	65.9
TOT OBS:	129														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21	
N	.4	2.2	6.5	3.2	1.0	.0	13.3	18.2		12.4	11.9	25.0	11.3	16.5	14.2	5.3	12.7	
NE	.1	.6	2.3	.9	.3	.0	4.1	17.5		7.2	2.3	4.2	4.0	4.9	5.3	5.3	4.9	
E	.3	.5	1.2	1.3	.1	.0	3.3	17.1		3.6	3.4	.0	6.0	3.4	3.0	.0	2.5	
SE	.2	1.3	.8	.9	.1	.1	3.3	14.7		5.1	4.5	.0	4.0	.5	3.3	.0	3.9	
S	.5	2.0	3.2	2.3	.4	.1	8.3	17.4		8.3	8.5	25.0	8.0	11.4	6.8	14.5	5.9	
SW	.4	2.9	9.8	6.7	3.3	.4	23.5	21.5		22.8	25.6	8.3	20.7	23.3	22.5	22.4	27.5	
W	.2	2.5	7.4	8.0	3.9	.6	22.5	23.7		23.5	22.2	.0	18.7	20.6	26.3	15.8	22.8	
NW	.5	4.1	8.3	6.2	1.4	.1	20.5	19.0		21.1	19.3	37.5	24.7	19.4	18.0	31.6	19.9	
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.1						1.1	.0		1.0	2.3	.0	2.7	.0	.6	5.3	.0	
TOT OBS	23	107	262	196	69	8	665	19.9		103	88	6	75	103	169	19	102	
TOT PCT	3.5	16.1	39.4	29.5	10.4	1.2	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+					00	03	06	12	18
N	1.1	4.5	5.2	2.2	.2		13.3	18.2		12.2	12.3	15.1	11.6	
NE	.3	1.8	1.6	.5	.0		4.1	17.5		2.2	4.0	5.1	5.0	
E	.6	.8	1.7	.2	.0		3.3	17.1		3.5	5.6	3.1	2.1	
SE	1.2	1.0	.8	.3	.1		3.3	14.7		4.8	3.7	2.2	3.3	
S	1.5	2.7	2.1	2.0	.1		8.3	17.4		8.4	9.3	8.5	7.2	
SW	1.2	7.1	8.0	6.0	1.2		23.5	21.5		24.1	19.8	22.8	26.7	
W	1.3	3.7	10.0	5.9	1.7		22.5	23.7		22.9	17.3	24.2	21.7	
NW	1.1	7.1	8.0	3.7	.5		20.5	19.0		20.3	25.6	18.6	21.7	
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	
CALM	1.1						1.1	.0		1.6	2.5	.4	.8	
TOT OBS	62	191	249	138	25	665		19.9		191	81	272	121	
TOT PCT	9.3	28.7	37.4	20.8	3.8		100.0			100.0	100.0	100.0	100.0	

JULY

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970AREA 0018 FALKLAND ISLANDS
52.05 57.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	0-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	TOTAL
HOUR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT	FREQ	OBS
0000	1.6	2.1	15.7	42.4	27.7	9.9	.5	19.0	100.0	191	
0600	2.5	.0	19.8	39.5	30.9	4.9	2.5	19.0	100.0	81	
1200	.4	2.9	15.8	39.0	29.0	11.8	1.1	20.3	100.0	272	
1800	.8	3.3	14.9	35.5	32.2	11.6	1.7	21.2	100.0	121	
TOT	7	16	107	262	196	69	8	19.9		665	
PCT	1.1	2.4	16.1	39.4	29.5	10.4	1.2	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL	MEAN CLOUD COVER
N	.0	.0	4.5	6.4		7.5
NE	.0	.0	.9	4.5		7.8
E	.0	.0	.0	3.2		8.0
SE	.0	.0	.0	.5		8.0
S	.0	.0	5.9	4.1		6.6
SW	1.8	.0	7.3	6.8		6.6
W	1.4	5.5	6.8	11.4		6.1
NW	2.3	1.8	7.3	17.7		6.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	4	18	30	55	6.7
TOT PCT	5.5	7.3	32.7	54.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.0	.0	.0	.0	4.5	.0	.0	4.5	.0	.0	1.8
NE	1.8	.0	.0	.0	2.7	.0	.0	.9	.0	.0	.0
E	.0	.0	.0	.0	1.8	.0	1.4	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
S	.0	.0	.0	.0	4.1	2.3	1.8	.0	.0	.0	1.8
SW	.0	.0	.0	.0	5.0	5.5	3.6	.0	.0	.0	1.8
W	.0	.0	.0	.0	5.5	5.0	1.8	.0	.0	.0	12.7
NW	.0	.0	.0	.0	.0	9.1	1.8	.0	.0	3.6	14.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	0	0	0	13	12	6	3	0	2	55
TOT PCT	1.8	.0	.0	.0	23.6	21.8	10.9	5.5	.0	3.6	32.7

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT NH >4/8 AND VISBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VISBY (NM)	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >4000	3.6	5.5	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >3500	12.7	16.4	20.0	20.0	20.0	20.0	20.0	20.0	20.0
= OR >3000	30.9	36.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8
= OR >2500	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5	65.5
= OR >2000	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5	65.5
= OR >1500	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5	65.5
= OR >1000	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5	65.5
= OR >500	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5	65.5
= OR >150	34.5	49.1	61.8	63.6	65.5	65.5	65.5	65.5	65.5
= OR >0	34.5	49.1	61.8	63.6	65.5	67.3	67.3	67.3	67.3
TOTAL	19	27	34	35	36	37	37	37	37

TOTAL NUMBER OF OBS: 55

PCT FREQ NH <5/8: 32.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL
3.6	3.6	5.4	7.1	12.5	3.6	17.9	8.9	35.7	1.8	56

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970

JULY

AREA 0018 FALKLAND ISLANDS
52.03 57.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
1/2<1	PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8	.8
	NO PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8	.8
	TOT %	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	1.6	1.6
1<2	PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8	.8
	NO PCP	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8	.8
	TOT %	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	1.6	1.6
2<5	PCP	.0	.0	.0	.0	2.0	.4	1.6	.0	.0	.0	3.9	3.9
	NO PCP	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
	TOT %	1.6	.0	.0	.0	2.0	.4	1.6	.0	.0	.0	5.5	5.5
5<10	PCP	1.6	.0	.4	3.5	2.7	3.5	1.2	.4	.0	.0	13.3	13.3
	NO PCP	13.9	2.5	1.4	1.0	4.7	4.7	6.3	10.9	.0	.0	45.3	45.3
	TOT %	15.4	2.5	1.8	4.5	7.4	8.2	7.4	11.3	.0	.0	58.6	58.6
10+	PCP	.8	.0	.0	.0	.0	.0	.0	.8	.0	.0	1.6	1.6
	NO PCP	2.1	.2	.0	.0	2.0	4.5	10.0	11.7	.0	.0	20.5	20.5
	TOT %	2.9	.2	.0	.0	2.0	4.5	10.0	12.5	.0	.0	22.0	22.0
TOT OBS													128
TOT PCT		19.9	3.5	1.8	4.5	11.3	16.2	18.9	23.8	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	1.5	1.5
	TOT %	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	1.5	1.5
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.8	1.5	.0	.0	.0	.0	2.3	2.3
	TOT %	.0	.0	.0	.0	.8	1.5	.0	.0	.0	.0	2.3	2.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.6	.2	.0	.0	.0	.0	.8	.8
	22+	1.5	.0	.0	.0	1.3	.2	1.5	.0	.0	.0	4.6	4.6
	TOT %	1.5	.0	.0	.0	1.9	.4	1.5	.0	.0	.0	5.3	5.3
5<10	0-3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.8	.8
	4-10	1.5	.0	.6	.2	.8	2.3	.4	2.7	.0	.0	8.4	8.4
	11-21	8.0	1.5	.0	2.3	5.0	1.5	3.4	1.1	.0	.0	22.9	22.9
	22+	5.5	1.0	1.1	1.9	3.1	3.4	3.4	7.3	.0	.0	26.7	26.7
	TOT %	15.1	2.5	1.7	4.4	8.8	8.0	7.3	11.1	.0	.0	58.8	58.8
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	.8
	4-10	.0	.0	.0	.0	.8	.8	.0	3.1	.0	.0	4.6	4.6
	11-21	.0	.0	.0	.0	.4	1.9	3.4	4.2	.0	.0	9.9	9.9
	22+	2.9	.2	.0	.0	.8	1.7	6.3	4.2	.0	.0	16.0	16.0
	TOT %	2.9	.2	.0	.0	1.9	4.4	9.7	12.2	.0	.0	31.3	31.3
TOT OBS													131
TOT PCT		19.5	3.4	1.7	4.4	13.4	15.8	18.5	23.3	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970AREA 0018 FALKLAND ISLANDS
52.05 57.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 295	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	22.2	11.1	16.7	5.6	.0	.0	55.6	44.4	18
06009	.0	.0	.0	.0	50.0	16.7	16.7	.0	.0	.0	83.3	16.7	6
12015	.0	.0	.0	.0	25.0	16.7	16.7	8.3	.0	.0	66.7	33.3	12
18021	5.3	.0	.0	.0	15.8	36.8	.0	5.3	.0	10.5	73.7	26.3	19
TOT	1	0	0	0	13	12	6	3	0	2	37	18	55
PCT	1.8	.0	.0	.0	23.6	21.8	10.9	5.3	.0	3.6	67.3	32.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	2.1	.0	.0	68.8	29.2	48
06009	.0	.0	.0	7.1	50.0	42.9	14
12015	.0	2.8	5.6	8.3	61.1	22.2	36
18021	2.9	.0	2.9	8.8	47.1	38.2	34
TOT	1	2	3	7	78	41	132
PCT	.8	1.5	2.3	5.3	59.1	31.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET) NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	55.6	44.4	18
06009	.0	.0	16.7	66.7	16.7	6
12015	.0	8.3	33.3	33.3	33.3	12
18021	5.3	5.3	26.3	47.4	26.3	19
TOT	1	2	10	27	18	55
PCT	1.8	3.6	18.2	49.1	32.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	.0	.9	5.2	3.5	11	9.6
40/44	.0	.0	.0	.9	3.5	7.8	12.2	33.9	67	58.3
35/39	.0	.0	.0	1.7	1.7	3.5	5.2	6.1	21	18.3
30/34	.0	.0	.0	.0	.0	5.2	4.3	4.3	16	13.9
TOTAL	0	0	0	3	6	20	31	55	115	100.0
PCT	.0	.0	.0	2.6	5.2	17.4	27.0	47.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	2.8	.0	.0	.0	.0	.0	.4	6.3	.0	.0
40/44	20.9	3.9	.0	.0	1.3	2.6	11.1	18.5	.0	.0
35/39	.9	.0	.7	1.1	3.0	6.7	5.0	.9	.0	.0
30/34	.0	.0	.0	.9	7.0	4.8	1.1	.2	.0	.0
TOTAL	24.6	3.9	.7	2.0	11.3	14.1	17.6	25.9	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	47	46	43	39	32	26	22	38.1	184
06009	45	44	42	39	30	23	23	37.5	79
12015	48	45	44	39	31	26	25	38.3	272
18021	48	46	44	39	32	27	27	38.6	120
TOT	48	45	44	39	31	26	22	38.2	655

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	5.3	10.5	36.8	47.4	88	38		
06009	.0	.0	.0	.0	27.3	72.7	91	11		
12015	.0	2.9	7.9	28.6	17.1	48.6	86	35		
18021	.0	6.5	9.7	19.4	25.8	38.7	83	31		
TOT	0	3	6	20	31	35	86	115		

JULY

PERIOD: (PRIMARY) 1902-1970
(OVER-ALL) 1870-1970AREA 0018 FALKLAND ISLANDS
52.0S 57.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	TOT	N FOG	W FOG
5	.0	.0	.0	.0	.8	1	.0	.8
4	.0	.0	.0	.8	.0	1	.0	.8
3	.0	.0	.0	.8	1.7	3	.0	2.5
2	.0	.8	.0	3.3	.8	6	.8	4.2
1	.0	.0	.0	14.2	1.7	19	.0	15.8
0	.0	.0	2.5	15.8	.0	22	.8	17.5
-1	.0	.0	3.3	5.8	.0	11	2.5	6.7
-2	.0	.0	5.0	4.2	.0	11	3.3	5.8
-3	.0	.0	7.5	.8	.0	10	2.5	5.8
-4	.0	2.5	7.5	.0	.0	12	.0	10.0
-5	.0	.8	.0	.0	.0	1	.0	.8
-6	.0	4.2	.0	.0	.0	5	.0	4.2
-7/-8	.0	5.0	.0	.0	.0	6	.0	5.0
-9/-10	4.2	2.5	.0	.0	.0	8	.0	6.7
-11/-13	3.3	.0	.0	.0	.0	4	.0	3.3
TOTAL	9	19	31	55	6	120	12	108
PCT	7.5	15.8	25.8	45.8	5.0	100.0	10.0	90.0

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	3.0	3.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.8
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	7.6	3.0	.0	10.6	.0	.0	.0	1.5	.0	.0	1.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1970

JULY

TABLE 18 (CONT)

AREA 0018 FALKLAND ISLANDS
52.05 57.1W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	3.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	2.3	.0	.0	.0	2.3	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8
13-16	.0	.0	.0	5.3	.0	.0	5.3	.0	.0	.8	.0	.0	.0	.8
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.1	.0	12.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.3	5.3	.0	.0	7.6	.0	.0	3.8	7.6	6.1	.0	17.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	12.1	.0	.0	.0	.0	12.1	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0	.0	.0	.0	3.0	.0
7	.0	.0	3.0	3.0	.0	.0	6.1	.0	.0	.0	6.1	.0	.0	6.1	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	10.6	6.1	.0	16.7	.0	.0	.0	.8	.0	.0	.8	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.1	.0	6.1	.0
17-19	.0	.0	.0	2.3	.0	.0	2.3	.0	.0	.0	.8	.0	.0	.8	.0
20-22	.0	.0	.0	.0	.0	3.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	3.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.0	15.9	12.1	3.0	34.1	.0	12.1	3.0	7.6	6.1	.0	28.8	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	12.1	3.0	.0	.0	.0	15.2	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.1	.0	.0	.0	6.1	.0
7	.0	.0	3.0	9.1	.0	.0	12.1	.0
8-9	.0	.0	.0	3.0	3.0	.0	6.1	.0
10-11	.0	.0	.0	3.0	3.0	.0	6.1	.0
12	.0	.0	.0	12.1	6.1	.0	18.2	.0
13-16	.0	.0	.0	9.1	6.1	.0	15.2	.0
17-19	.0	.0	.0	3.0	.0	.0	3.0	.0
20-22	.0	.0	.0	6.1	6.1	3.0	15.2	.0
23-25	.0	.0	.0	.0	3.0	.0	3.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.1	12.1	45.5	27.3	3.0	100.0	33

PERIOD: (OVER-ALL) 1951-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
6-7	.0	.0	.0	.0	2.8	.0	5.6	11.1	11.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11
8-9	.0	.0	.0	.0	.0	5.6	8.3	8.3	8.3	2.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	12
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.9	2.8	2.8	.0	.0	.0	.0	.0	.0	.0	7	22
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	3	27
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	16
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
TOTAL	.0	.0	.0	.0	2	2	5	7	7	3	5	1	4	0	0	0	0	0	0	0	36	15
PCT	.0	.0	.0	.0	5.6	5.6	13.9	19.4	19.4	8.3	13.9	2.8	11.1	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1857-1969AREA 0018 FALKLAND ISLANDS
52.35 56.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0
NE	20.6	.0	.0	.0	.0	.0	.0	28.6	.0	.0	71.4	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	33.3
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	3.7	.0	.0	.0	.0	3.7	11.1	.0	14.8	.0	.0	.0	70.4
NW	.0	.0	3.7	.0	.0	.0	.0	3.7	3.7	.0	29.6	.0	.0	.0	63.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	.0	1.9	.0	.0	.0	.0	3.7	3.7	.0	27.8	.0	.0	.0	64.8
TOT OBS:	54														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	.0	6.3	.0	.0	.0	.0	6.3	6.3	.0	43.8	.0	.0	.0	43.8
06009	11.1	.0	.0	.0	.0	.0	.0	11.1	11.1	.0	22.2	.0	.0	.0	55.6
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.5	.0	.0	.0	76.5
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.1	.0	.0	.0	76.9
TOT PCT	1.8	.0	1.8	.0	.0	.0	.0	3.6	3.6	.0	29.1	.0	.0	.0	63.6
TOT OBS:	55														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.7	1.5	3.9	3.0	1.3	.1		10.4	19.9		9.3	9.4	25.0	8.7	9.3	11.6	14.3	12.1
NE	.9	1.5	.7	.5	.3	.1		3.3	15.8		8.0	4.3	25.0	4.0	4.0	1.4	.0	.7
E	.0	1.0	1.1	.8	.5	.4		3.7	22.8		2.7	1.4	.0	3.3	5.3	4.3	.0	5.0
SE	.3	1.0	1.3	1.1	.4	.0		4.0	17.3		4.7	6.5	12.5	5.3	2.7	2.5	.0	3.6
S	.4	2.3	3.7	1.7	2.8	.1		11.0	21.9		11.3	12.3	12.5	10.0	10.7	10.9	42.9	7.9
SW	.3	4.0	9.7	7.5	3.7	.3		25.5	21.1		28.0	21.0	.0	30.7	24.0	24.3	14.3	28.6
W	.2	4.5	10.8	4.4	1.8	.2		21.8	18.1		26.0	23.2	12.5	19.3	18.7	21.0	7.1	25.7
NW	.4	2.0	8.6	5.8	2.9	.0		19.8	21.3		12.0	21.7	12.5	18.7	25.3	22.5	21.4	16.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0		.0	.0	.0	.0	.0	1.4	.0	.0
TOT OBS	15	91	204	127	70	6	513		20.1		75	69	4	75	75	138	7	70
TOT PCT	2.9	17.7	39.8	24.8	13.6	1.2		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	06	12
N	1.1	3.0	3.8	2.0	.5			10.4	19.9		9.4	9.5	10.8	12.3
NE	.9	1.3	.6	.2	.4			3.3	15.8		5.2	5.1	2.3	.6
E	.3	1.3	.8	.9	.5			3.7	22.8		2.1	3.2	4.7	4.5
SE	.9	1.5	.8	.6	.3			4.0	17.3		5.6	5.7	2.6	3.2
S	.6	4.7	1.9	2.0	1.9			11.0	21.9		11.8	10.1	10.8	11.0
SW	.9	9.5	7.8	6.1	1.3			25.5	21.1		24.7	29.1	24.2	27.3
W	1.7	8.8	7.9	2.6	.9			21.8	18.1		24.7	19.0	20.2	24.0
NW	.8	5.8	7.3	5.4	.5			19.8	21.3		16.7	18.4	23.5	16.9
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0
CALM	.4							.4	.0		.0	.0	.9	.0
TOT OBS	38	183	158	102	32	513			20.1		144	79	213	77
TOT PCT	7.4	35.7	30.8	19.9	6.2			100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1857-1969

AUGUST

AREA 0018 FALKLAND ISLANDS
52.25 56.7N

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	2.1	23.6	45.1	19.4	9.0	.7	17.4	100.0	144
06009	.0	5.1	13.9	36.7	31.6	12.7	.0	20.4	100.0	79
12015	.9	1.4	15.5	37.1	25.4	17.8	1.9	21.7	100.0	213
18021	.0	3.9	16.9	40.3	26.0	11.7	1.3	20.3	100.0	77
TOT	2	13	91	204	127	70	6	20.1		513
PCT	.4	2.5	17.7	39.8	24.8	13.6	1.2		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSO	TOTAL OBS	MEAN CLOUD COVER
N	5.3	.0	5.3	10.5		5.2
NE	.0	.0	.0	5.3		5.0
E	.0	.0	.0	.0		.0
SE	.0	.0	2.6	.0		5.0
S	.0	.0	28.9	5.3		5.6
SW	5.3	.0	5.3	.0		3.0
W	.0	.0	2.6	5.3		7.6
NW	10.5	.0	2.6	5.3		3.2
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	0	9	6	19	5.3
TOT PCT	21.1	.0	47.4	31.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	15.8	.0	.0	.0	.0	.0	5.3	
NE	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	5.3	21.1	5.3	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	0	1	11	2	0	0	0	0	5	19
TOT PCT	.0	.0	.0	5.3	57.9	10.5	.0	.0	.0	.0	26.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	5.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5
>1000	26.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
>600	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>300	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>150	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
>0	26.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7
TOTAL	5	14	14	14	14	14	14	14

TOTAL NUMBER OF OBS: 19

PCT FREQ NH <5/8: 26.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OBSO	TOTAL OBS
	10.0	5.0	5.0	.0	5.0	25.0	10.0	10.0	30.0	20

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PERIOD: (PRIMARY) 1902-1969
(OVER-ALL) 1857-1969AREA 0018 FALKLAND ISLANDS
52.35 56.74

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	1.9	
	NO PCP	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	3.7	
	TOT %	.0	.0	.0	.0	.0	3.7	.9	.9	.0	.0	5.6	
5<10	PCP	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	9.3	4.6	1.9	2.8	10.2	4.6	20.4	20.4	.0	.0	74.1	
	TOT %	9.3	6.5	1.9	2.8	10.2	4.6	20.4	20.4	.0	.0	75.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	7.4	.0	.0	.0	1.9	1.9	3.7	3.7	.0	.0	18.5	
	TOT %	7.4	.0	.0	.0	1.9	1.9	3.7	3.7	.0	.0	18.5	
TOT OBS													
TOT PCT													
		16.7	6.5	1.9	2.8	12.0	10.2	25.0	25.0	.0	.0	100.0	54

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
	11-21	.0	.0	1.4	.0	.0	1.4	.7	2.1	.0	.0	5.5	
	22+	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	.0	2.7	
	TOT %	.0	.0	2.7	.0	.0	4.1	.7	2.1	.0	.0	9.6	
5<10	0-3	1.4	.0	.0	1.4	.0	.0	.0	.0	.0	.0	2.7	
	4-10	3.4	3.4	1.4	.0	1.4	1.4	5.5	2.7	.0	.0	19.2	
	11-21	2.1	.0	.0	.0	.0	2.1	6.2	8.9	.0	.0	19.2	
	22+	.0	1.4	.0	.7	6.2	1.4	3.4	3.4	.0	.0	16.4	
	TOT %	6.8	4.8	1.4	2.1	7.5	4.8	15.1	15.1	.0	.0	57.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.4	2.7	.0	.0	.0	4.1	
	11-21	1.4	.0	.0	.0	2.1	5.5	7.5	4.1	.0	.0	20.5	
	22+	4.1	.0	.0	.0	2.1	.7	1.4	.0	.0	.0	8.2	
	TOT %	5.5	.0	.0	.0	4.1	7.5	11.6	4.1	.0	.0	32.9	
TOT OBS													
TOT PCT													
		12.3	4.8	4.1	2.1	11.6	16.4	27.4	21.2	.0	.0	100.0	73

AUGUST

PERIOD: (PRIMARY) 1902-1959
(OVER-ALL) 1857-1959AREA 0018 FALKLAND ISLANDS
52.35 56.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL OBS	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	1
06009	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0	50.0	4
12015	.0	.0	.0	14.3	57.1	.0	.0	.0	.0	.0	71.4	28.6	7
18021	.0	.0	.0	.0	57.1	28.6	.0	.0	.0	.0	85.7	14.3	7
TOT	0	0	0	1	11	2	0	0	0	0	14	5	19
PCT	.0	.0	.0	5.3	57.9	10.5	.0	.0	.0	.0	73.7	26.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	9.1	59.1	31.8	22
06009	.0	.0	.0	23.1	53.8	23.1	13
12015	.0	.0	.0	4.3	60.9	34.8	23
18021	.0	.0	.0	6.3	56.3	37.5	16
TOT	0	0	0	7	43	24	74
PCT	.0	.0	.0	9.5	58.1	32.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HRUR (GMT)	<150 <50VD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	100.0	.0	1
06009	.0	.0	.0	50.0	50.0	4
12015	.0	.0	14.3	57.1	28.6	7
18021	.0	.0	.0	85.7	14.3	7
TOT	0	0	1	13	5	19
PCT	.0	.0	5.3	68.4	26.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	.0	5.6	.0	.0	2	5.6
40/44	.0	.0	.0	2.8	2.8	5.6	23.0	19.4	20	55.6
35/39	.0	.0	.0	2.8	5.6	8.3	8.3	2.8	10	27.8
30/34	.0	.0	.0	.0	.0	2.8	8.3	.0	4	11.1
TOTAL	0	0	0	2	3	8	15	8	36	100.0
PCT	.0	.0	.0	5.6	8.3	22.2	41.7	22.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
45/49	.0	.0	.0	.0	.0	.0	.0	5.6	.0	.0
40/44	12.5	2.8	.0	.0	5.6	2.8	18.1	13.9	.0	.0
35/39	2.8	.0	.0	1.4	4.2	6.9	11.1	1.4	.0	.0
30/34	6.9	1.4	.0	2.8	.0	.0	.0	.0	.0	.0
TOTAL	22.2	4.2	.0	4.2	9.7	9.7	29.2	20.8	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	45	43	42	37	33	31	28	37.6	131
06009	45	44	41	37	32	30	30	37.2	72
12015	48	45	44	39	32	26	25	38.4	198
18021	44	43	42	39	34	27	27	38.7	70
TOT	48	45	43	38	33	29	25	38.0	471

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	22.2	33.3	33.3	11.1	77	9
06009	.0	.0	.0	16.7	50.0	33.3	88	6
12015	.0	.0	.0	27.3	45.5	27.3	84	11
18021	.0	18.2	9.1	18.2	36.4	18.2	78	11
TOT	0	2	3	9	15	8	81	37

AUGUST

PERIOD: (PRIMARY) 1902-1949
(OVER-ALL) 1857-1969

TABLE 17

AREA 0018 FALKLAND ISLANDS
52.35 56.7WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	33 36	37 40	41 44	45 48	TOT	W FOG	NO FOG
3	.0	.0	.0	4.7	2	.0	4.7
2	.0	.0	7.0	.0	3	.0	7.0
1	.0	7.0	4.7	.0	5	2.3	9.3
0	.0	4.7	14.0	.0	6	7.0	11.6
-1	.0	4.7	7.0	.0	5	2.3	9.3
-2	.0	11.6	4.7	.0	7	2.3	14.0
-3	.0	2.3	4.7	.0	3	.0	7.0
-4	.0	7.0	.0	.0	3	2.3	4.7
-5	7.0	4.7	.0	.0	5	7.0	4.7
-6	2.3	.0	.0	.0	1	.0	2.3
-7/-8	2.3	.0	.0	.0	1	.0	2.3
TOTAL	5	18	18	2	43	10	33
PCT	11.6	41.9	41.9	4.7	100.0	23.3	76.7

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	33.3	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	33.3	33.3	.0	66.7	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	66.7	33.3	.0	100.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1969

AUGUST

AREA 0018 FALKLAND ISLANDS
92.35 56.74

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	33.3	.0	.0	33.3	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	33.3	33.3	.0	66.7	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	66.7	33.3	.0	100.0	.0

PERIOD: (OVER-ALL) 1950-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-49	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	8.3	.0	.0	25.0	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
6-7	.0	.0	.0	.0	.0	.0	16.7	.0	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8
8-9	.0	.0	.0	.0	.0	.0	.0	8.3	8.3	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	11
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	1	.0	.0	3	2	2	2	.0	.0	2	.0	.0	.0	.0	.0	.0	.0	.0	12
PCT	.0	.0	8.3	.0	.0	25.0	16.7	16.7	16.7	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0	.0	100.0

SEPTEMBER

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974AREA 0018 FALKLAND ISLANDS
92.35 57.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	4.5	.0	13.6	.0	.0	.0	.0	18.2	.0	.0	18.2	.0	.0	.0	63.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	8.7	.0	.0	8.7	.0	.0	8.7	.0	.0	.0	82.6
W	.0	.0	3.0	.0	6.1	.0	6.1	13.2	.0	.0	.0	.0	.0	.0	84.8
NW	5.5	.0	13.7	.0	.0	.0	.0	19.2	.0	.0	11.0	.0	.0	.0	69.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.7	.0	8.1	.0	2.7	.0	1.4	14.9	.0	.0	9.5	1.4	.0	.0	74.3
TOT OBS:	74														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	9.5	.0	.0	.0	4.8	14.3	.0	.0	.0	.0	.0	.0	85.7
06009	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	20.0	.0	.0	.0	70.0
12015	2.9	.0	8.8	.0	5.9	.0	.0	17.6	.0	.0	11.8	2.9	.0	.0	67.6
18021	.0	.0	10.0	.0	10.0	.0	.0	20.0	.0	.0	10.0	.0	.0	.0	70.0
TOT PCT	2.7	.0	8.0	.0	4.0	.0	1.3	16.0	.0	.0	9.3	1.3	.0	.0	73.3
TOT OBS:	75														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)								TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	48+	48+				00	03	06	09	12	15	18	21
N	.7	4.9	6.8	3.8	.8	.4			19.4	16.9		20.2	20.4	14.3	20.8	23.7	14.9	25.0	20.1
NE	.4	2.1	1.5	.8	.8	.3			5.8	17.1		6.3	6.6	.0	4.9	5.2	5.1	25.0	6.7
E	.1	.5	.4	.3	.1	.0			1.3	14.4		.6	2.0	14.3	.7	.6	1.8	.0	.7
SE	.3	.8	1.0	.1	.5	.0			2.7	17.0		1.5	4.6	7.1	3.5	.6	3.3	4.2	1.5
S	1.0	1.5	2.7	1.7	1.4	.3			8.7	19.5		9.6	3.9	32.1	8.3	11.7	9.4	12.5	5.2
SW	.5	4.1	7.5	3.5	1.4	.4			19.4	19.0		17.8	17.1	32.1	20.8	17.5	21.4	16.7	19.4
W	.0	3.3	7.4	5.9	1.1	.3			18.1	19.8		19.9	18.4	.0	12.5	13.0	23.2	16.7	18.7
NW	.3	3.9	12.1	5.7	.6	.9			23.3	18.8		22.9	27.0	.0	27.1	25.0	20.3	.0	24.6
VAR	.0	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3								1.3	.0		1.2	.0	.0	1.4	2.6	.7	.0	3.0
TOT OBS	24	111	218	125	35	13	526		526	18.2		83	76	7	72	77	138	8	67
TOT PCT	4.6	21.1	41.4	23.6	6.7	2.5			100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	2.0	8.7	6.0	2.0	.8				19.4	16.9		20.3	20.3
NE	2.0	2.0	.3	1.1	.4				5.8	17.1		6.4	4.4
E	.3	.7	.2	.2	.0				1.3	14.4		1.3	1.9
SE	.3	1.3	.6	.2	.3				2.7	17.0		3.0	3.8
S	1.8	2.0	2.6	1.8	.5				8.7	19.5		6.9	10.4
SW	2.3	6.1	7.0	3.0	1.0				19.4	19.0		17.3	21.8
W	1.0	5.8	7.1	3.7	.4				18.1	19.8		19.2	11.4
NW	.8	8.8	10.2	2.4	1.1				23.3	18.8		24.8	24.7
VAR	.0	.0	.0	.0	.0				.0	.0		.0	.0
CALM	1.3								1.3	.0		.6	1.3
TOT OBS	62	186	179	76	23	526			18.2			159	79
TOT PCT	11.8	35.4	34.0	14.4	4.4				100.0			100.0	100.0

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

AREA 0010 FALKLAND ISLANDS
52.35 57.24

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND			SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47					
00603	.6	3.8	20.1	42.8	22.6	8.2	1.9	18.3	100.0	159	
06069	1.3	5.1	21.5	43.0	22.8	3.8	2.5	17.1	100.0	79	
12615	1.4	2.3	21.4	40.5	25.1	6.0	3.3	18.8	100.0	215	
18621	2.7	2.7	21.9	39.7	23.3	8.2	1.4	17.0	100.0	73	
TOT	7	17	111	218	123	35	13	18.2		526	
PCT	1.3	3.2	21.1	41.4	23.8	6.7	2.5		100.0		

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WND DIR	0-2	3-4	5-7	8 & OBSCH	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	31.3	14.4		6.9
NE	.0	.0	2.1	8.3		7.8
E	.0	8.3	.0	.0		3.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	8.3	.0		7.0
W	.0	.0	8.3	8.3		6.5
NW	.0	.0	.0	10.4		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT CDS	.0	1	6	5	12	6.7
TOT PCT	.0	8.3	50.0	41.7	100.0	

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH $\geq 4/8$)
AND OCCURRENCE OF NH $< 9/8$ BY WIND DIRECTION

[illegible]

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	≥ DR ≥10	≥ DR ≥5	≥ DR ≥2	≥ DR ≥1	≥ DR ≥1/2	≥ DR ≥1/4	≥ DR ≥50YD	≥ DR ≥0
≥ DR ≥3000	.0	.0	.0	.0	.0	.0	.0	.0
≥ DR ≥4000	.0	.0	.0	.0	.0	.0	.0	.0
≥ DR ≥3500	.0	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ DR ≥2000	7.7	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ DR ≥1000	30.8	53.8	61.5	61.5	61.5	61.5	61.5	61.5
≥ DR ≥600	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
≥ DR ≥300	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
≥ DR ≥150	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
≥ DR ≥0	46.2	76.9	84.6	84.6	84.6	84.6	84.6	84.6
TOTAL	.6	10	11	11	11	11	11	11

PCT FREQ NH <5/01 19.4

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL CBS
.0	5.6	5.6	5.6	.0	5.6	27.8	16.7	33.3	.0	18

SEPTEMBER

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

AREA 0018 FALKLAND ISLANDS
52.35 57.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.7	.0	.0	.0	.0	.0	1.4	.7	.0	.0	2.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	.0	.0	.0	.0	.0	1.4	.7	.0	.0	2.8	
1/2<1	PCP	.7	.0	.0	.0	.0	.0	.0	.7	.0	.0	1.4	
	NO PCP	5.6	.0	.0	.0	.0	.0	.0	1.4	.0	.0	7.0	
	TOT %	6.3	.0	.0	.0	.0	.0	.0	2.1	.0	.0	8.5	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
	TOT %	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	3.5	.0	.0	.0	.0	.0	.0	.7	.0	.0	4.2	
	TOT %	3.5	.0	.0	.0	.0	.0	.0	.7	.0	.0	4.2	
5<10	PCP	2.8	.0	.0	.0	.0	1.4	1.4	2.8	.0	.0	8.5	
	NO PCP	6.3	1.4	.0	.0	1.4	13.4	10.6	10.6	.0	.0	43.7	
	TOT %	9.2	1.4	.0	.0	1.4	14.8	12.0	13.4	.0	.0	52.1	
10+	PCP	1.4	.0	.0	.0	.0	.0	.7	.7	.0	.0	2.8	
	NO PCP	9.9	1.1	1.4	.0	.0	.0	7.7	8.1	.0	.0	28.2	
	TOT %	11.3	1.1	1.4	.0	.0	.0	8.5	8.8	.0	.0	31.0	
TOT OBS													71
TOT PCT		31.0	2.5	1.4	.0	1.4	16.2	21.8	25.7	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.6	.0	.0	.0	.0	.0	1.1	.6	.0	.0	2.2	
	TOT %	.6	.0	.0	.0	.0	.0	1.1	.6	.0	.0	2.2	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	3.9	.0	.0	.0	.0	.0	.0	1.7	.0	.0	5.6	
	22+	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	5.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	6.7	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1	
	11-21	.0	.0	.0	.0	.8	.3	.0	.0	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.8	1.4	.0	.0	.0	.0	2.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	2.8	.0	.0	.6	3.9	.0	3.3	.6	.0	.0	11.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.8	.0	.0	.6	3.9	.0	3.3	.6	.0	.0	11.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	2.2	.0	.0	.0	.0	.0	2.2	.0	.0	.0	4.4	
	11-21	5.0	.0	.0	.0	1.9	14.2	2.8	9.4	.0	.0	33.3	
	22+	.0	1.1	.0	.3	.8	1.1	4.4	1.1	.0	.0	8.9	
	TOT %	7.2	1.1	.0	.3	2.8	15.3	9.4	10.6	.0	.0	46.7	
10+	0-3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	4-10	1.7	.6	.0	.0	.0	.0	1.1	4.4	.0	.0	7.8	
	11-21	2.2	.0	.0	.0	.0	1.1	5.6	4.4	.0	.0	13.3	
	22+	3.9	.3	1.1	.0	.6	.6	1.1	1.4	.0	.0	8.9	
	TOT %	8.9	.8	1.1	.0	.6	1.7	7.8	10.3	.0	.0	31.1	
TOT OBS													90
TOT PCT		24.4	1.9	1.1	.8	8.1	18.3	21.7	23.6	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

AREA 0018 FALKLAND ISLANDS
52.35 57.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	25.0	25.0	25.0	25.0	.0	.0	.0	100.0	.0	4
06009	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	33.3	66.7	3
12015	.0	.0	.0	25.0	50.0	25.0	.0	.0	.0	.0	100.0	.0	4
18021	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	66.7	33.3	3
TOT	0	0	0	3	3	2	1	0	0	0	11	3	14
PCT	.0	.0	.0	21.4	35.7	14.3	7.1	.0	.0	.0	78.6	21.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	17.9	46.4	35.7	28
06009	.0	6.7	13.3	6.7	40.0	33.3	15
12015	5.6	11.1	.0	8.3	44.4	30.6	26
18021	.0	8.3	.0	8.3	66.7	16.7	12
TOT	2	6	2	10	43	28	91
PCT	2.2	6.6	2.2	11.0	47.3	30.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/3) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	25.0	75.0	.0	4
06009	.0	.0	50.0	.0	50.0	2
12015	.0	.0	50.0	50.0	.0	4
18021	.0	.0	.0	66.7	33.3	3
TOT	0	0	4	7	2	13
PCT	.0	.0	30.8	53.8	15.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	1.4	1.4	4.1	.0	5	6.8
40/44	.0	.0	.0	.0	1.4	9.5	12.2	45.9	51	68.9
35/39	.0	.0	.0	.0	.0	2.7	2.7	10.8	12	16.2
30/34	.0	.0	.0	.0	.0	.0	2.7	4.1	5	6.8
25/29	.0	.0	.0	.0	.0	.0	.0	1.4	1	1.4
TOTAL	0	0	0	0	2	10	16	46	74	100.0
PCT	.0	.0	.0	.0	2.7	13.5	21.6	62.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.0	1.4	.0	.0	.0	1.4	.7	1.4	.0	.0
25.7	2.4	1.4	2.0	6.1	9.5	8.1	13.9	.0	.0
2.0	.0	.0	.7	6.4	1.7	2.0	3.4	.0	.0
.0	.0	.0	.0	.0	4.1	2.7	.0	.0	.0
.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0
29.7	3.7	1.4	2.7	12.5	16.6	14.9	18.6	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	47	46	45	40	34	30	30	39.7	157
06009	46	45	45	40	35	30	30	39.5	76
12015	50	46	45	40	34	27	23	40.1	211
18021	46	45	45	42	35	29	29	41.1	73
TOT	50	46	45	40	35	29	23	40.1	517

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	4.8	15.0	9.5	66.7	90	21
06009	.0	.0	.0	6.7	13.3	80.0	91	15
12015	.0	.0	.0	13.8	34.5	51.7	88	29
18021	.0	.0	11.1	11.1	22.2	55.6	87	9
TOT	0	0	2	10	16	46	89	74

SEPTEMBER

PERIOD: (PRIMARY) 1902-1974
(OVER-ALL) 1867-1974

TABLE 17

AREA 0018 FALKLAND ISLANDS
52.9S 57.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.0	1.4	1	.0	1.4
6	.0	.0	.0	1.4	.0	.0	1	.0	1.4
5	.0	.0	.0	.0	1.4	.0	1	.0	1.4
4	.0	.0	.0	2.8	1.4	.0	3	.0	4.2
3	.0	.0	.0	2.8	1.4	.0	3	.0	4.2
2	.0	.0	.0	4.2	2.8	.0	5	.0	7.0
1	.0	.0	1.4	19.5	.0	.0	12	4.2	12.7
0	.0	.0	2.8	18.3	1.4	.0	16	1.4	21.1
-1	.0	.0	4.2	11.3	.0	.0	11	.0	19.5
-2	.0	.0	4.2	.0	.0	.0	3	.0	4.2
-3	.0	.0	9.9	.0	.0	.0	7	2.8	7.0
-4	.0	.0	1.4	.0	.0	.0	1	.0	1.4
-5	.0	1.4	.0	.0	.0	.0	1	.0	1.4
-6	1.4	1.4	.0	.0	.0	.0	2	.0	2.8
-7/-8	1.4	.0	.0	.0	.0	.0	1	.0	1.4
-9/-10	4.2	.0	.0	.0	.0	.0	3	.0	4.2
TOTAL	9	2	17	40	6	1	71	6	65
PCT	7.0	2.8	23.9	56.3	8.5	1.4	100.0	8.5	91.5

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	20.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	20.0	20.0	.0	.0	40.0	.0	.0	.0	20.0	.0	.0	20.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1974

SEPTEMBER

AREA 0018 FALKLAND ISLANDS
52.35 57.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT QMS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	20.0	.0	.0	.0	20.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	20.0	.0	.0	20.0	.0
10-11	.0	.0	20.0	20.0	.0	.0	40.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	20.0	.0	.0	20.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	40.0	60.0	.0	.0	100.0	5

PERIOD: (OVER-ALL) 1955-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	12.5	12.5	.0	12.5	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
6-7	.0	.0	.0	12.5	.0	12.5	.0	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	.0	.0	.0	2	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	8
PCT	.0	.0	.0	25.0	12.5	12.5	12.5	12.5	25.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1902-1975
(OVER-ALL) 1869-1975AREA 0018 FALKLAND ISLANDS
52.15 57.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	7.9	5.9	.0	.0	.0	.0	13.9	.0	.0	19.8	.0	4.0	.0	62.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37.1	.0	.0	.0	42.9
E	26.7	.0	13.3	.0	.0	.0	.0	40.0	.0	.0	20.0	.0	.0	.0	40.0
SE	.0	10.0	.0	.0	.0	.0	.0	10.0	20.0	.0	10.0	.0	.0	.0	60.0
S	.0	14.6	19.5	.0	.0	.0	.0	34.1	.0	.0	14.6	.0	.0	.0	51.2
SW	6.9	.0	.0	.0	.0	.0	.0	6.9	.0	.0	6.9	.0	.0	.0	86.2
W	5.4	7.1	.0	.0	.0	.0	.0	12.5	.0	.0	14.3	.0	3.6	.0	69.6
NW	1.6	.0	4.9	.0	.0	.0	.0	6.6	.0	.0	14.8	.0	3.3	.0	75.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.7	4.4	4.4	.0	.0	.0	.0	12.6	.7	.0	19.3	.0	2.2	.0	65.2
TOT OBS:	135														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	2.3	6.8	6.8	.0	.0	.0	.0	15.9	.0	.0	22.7	.0	.0	.0	61.4
06009	.0	.0	3.6	.0	.0	.0	.0	3.6	.0	.0	10.7	.0	3.6	.0	82.1
12015	6.7	6.7	2.2	.0	.0	.0	.0	13.6	.0	.0	20.0	.0	4.4	.0	60.0
18021	4.0	.0	4.0	.0	.0	.0	.0	8.0	4.0	.0	20.0	.0	.0	.0	68.0
TOT PCT	3.5	4.2	4.2	.0	.0	.0	.0	12.0	.7	.0	19.0	.0	2.1	.0	66.2
TOT OBS:	142														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.4	3.6	8.1	2.5	.3	.0		14.9	15.5	13.4	15.8	7.1	15.8	10.9	16.3	12.5	18.8	
NE	.3	2.4	2.0	.3	.0	.0		4.9	11.0	6.1	2.1	17.9	3.3	6.3	3.3	25.0	2.2	
E	.4	2.0	.2	.3	.0	.0		2.8	9.1	2.4	2.7	10.7	2.0	2.9	2.7	5.6	2.2	
SE	.4	2.1	2.0	1.2	.0	.0		5.7	14.0	4.3	5.5	14.3	5.9	5.7	6.0	5.6	5.1	
S	.2	2.0	2.6	1.8	.9	.0		7.5	18.6	7.3	4.8	7.1	5.9	9.5	8.3	15.3	5.8	
SW	.8	5.3	6.9	3.7	.8	.0		17.4	16.0	14.3	20.5	7.1	15.1	19.3	20.0	12.5	15.9	
W	.3	3.7	6.9	6.9	1.3	.0		19.0	19.0	22.3	17.8	14.3	19.7	20.1	18.7	9.7	18.1	
NW	.7	5.1	11.6	8.2	1.5	.0		27.1	18.1	28.7	30.8	21.4	32.2	25.3	23.3	13.9	30.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7							.7	.0	1.2	.0	.0	.0	.0	1.3	.0	1.4	
TOT OBS	23	149	229	141	27	0	569		16.6	82	73	14	76	87	150	18	69	
TOT PCT	4.0	26.2	40.2	24.8	4.7	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.8	6.1	5.9	.9	.2	14.9	15.5	14.5	14.4	14.3	17.5	
NE	1.1	2.8	1.0	.0	.0	4.9	11.0	4.2	5.6	4.4	6.9	
E	.9	1.6	.4	.0	.0	2.8	9.1	2.6	3.3	2.7	2.9	
SE	.8	3.3	.8	.0	.0	5.7	14.0	4.8	7.2	5.9	5.2	
S	1.1	2.4	2.2	1.3	.5	7.5	18.6	6.1	6.1	8.8	7.8	
SW	2.5	7.1	5.6	1.9	.4	17.4	16.0	17.3	13.9	19.7	15.2	
W	2.2	4.9	8.4	3.0	.4	19.0	19.0	20.2	18.9	19.2	16.4	
NW	3.3	7.8	11.3	4.5	.1	27.1	18.1	29.7	30.6	24.1	27.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7					.7	.0	.6	.0	.8	1.1	
TOT OBS	83	205	202	70	9	569		155	90	237	87	
TOT PCT	14.6	36.0	35.5	12.3	1.6		100.0	100.0	100.0	100.0	100.0	

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.6	4.5	28.4	40.0	20.0	6.5	.0	18.0	100.0	155
06009	.0	5.6	25.6	38.9	24.4	5.6	.0	18.6	100.0	90
12015	.8	2.5	25.7	38.4	28.3	4.2	.0	18.9	100.0	237
18021	1.1	1.1	24.1	47.1	24.1	2.3	.0	18.8	100.0	87
TOT	4	19	149	229	141	27	0	18.6		569
PCT	.7	3.3	26.2	40.2	24.8	4.7	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	2.2	.0	1.6		5.1
NE	4.3	.0	.0	10.9		6.1
E	2.2	.0	2.2	2.2		4.6
SE	.0	.0	2.2	4.3		7.0
S	.0	.0	6.0	6.0		7.0
SW	2.2	.0	3.3	8.2		6.5
W	5.4	4.3	5.4	3.3		4.6
NW	7.6	4.3	11.4	.5		4.3
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	5	14	17	46	5.5
TOT PCT	21.7	10.9	30.4	37.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	2.2	
2.2	.0	2.2	.0	.0	6.5	.0	.0	.0	.0	4.3	
.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0	4.3	
.0	.0	.0	2.2	.0	4.3	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	8.2	2.2	.0	.0	.0	1.6	
.0	.0	.0	.0	4.3	6.0	.0	.0	.5	.0	2.7	
.0	.0	.0	.0	.0	7.1	.0	.0	1.6	.0	9.8	
.0	.0	.0	.0	.0	7.6	.0	.0	.0	.0	16.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1	0	1	1	3	19	1	0	1	0	19	46
2.2	.0	2.2	2.2	6.5	41.3	2.2	.0	2.2	.0	41.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR >10	OR >5	OR >2	VSBY (NM) OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >6500	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
OR >4000	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
OR >3500	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
OR >2000	17.0	40.4	42.6	42.6	42.6	42.6	42.6	42.6
OR >1000	19.1	46.8	51.1	51.1	51.1	51.1	51.1	51.1
OR >600	19.1	46.9	53.2	53.2	53.2	53.2	53.2	53.2
OR >300	21.3	51.1	55.3	55.3	55.3	55.3	55.3	55.3
OR >150	21.3	51.1	55.3	55.3	55.3	55.3	55.3	55.3
OR >0	21.3	51.1	55.3	55.3	57.4	57.4	57.4	57.4
TOTAL	10	24	26	26	27	27	27	27

TOTAL NUMBER OF OBS: 47

PCT FREQ NH <5/8: 42.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
16.7	4.2	10.4	4.2	6.3	2.1	8.3	12.5	33.3	48

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.5	.0
	TOT %	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.5	.0
1/2<1	PCP	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7	.0
	NO PCP	2.6	1.1	.0	.0	.0	.0	.0	.7	.0	.0	4.4	.0
	TOT %	2.6	1.1	.7	.0	.0	.0	.0	.7	.0	.0	5.2	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.5	.4	.4	.0	.0	.0	.7	.0	.0	.0	3.0	.0
	TOT %	1.5	.4	.4	.0	.0	.0	.7	.0	.0	.0	3.0	.0
2<5	PCP	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.5	.0
	NO PCP	.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0
	TOT %	1.1	1.1	.7	.0	.0	.0	.0	.0	.0	.0	3.0	.0
5<10	PCP	1.9	.0	.7	.4	2.6	.7	2.6	1.5	.0	.0	10.4	.0
	NO PCP	8.0	5.6	1.5	2.6	3.0	5.6	10.4	11.7	.0	.0	48.1	.0
	TOT %	9.8	5.6	2.2	3.0	5.6	6.3	13.0	13.1	.0	.0	58.5	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	3.7	2.2	1.5	.7	2.0	4.4	8.3	8.0	.0	.0	28.9	.0
	TOT %	3.7	2.2	1.5	.7	2.0	4.4	8.3	8.0	.0	.0	28.9	.0
TOT OBS		135											
TOT PCT		18.7	10.4	5.6	3.7	7.6	10.7	20.7	22.6	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.3	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.3	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7	.0
	4-10	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	1.3	.0
	11-21	2.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	2.3	1.0	.7	.0	.0	.0	.0	.7	.0	.0	4.6	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.7	.0
	11-21	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0
	22+	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	.0
	TOT %	1.3	.3	.3	.0	.0	.0	.7	.0	.0	.0	2.6	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.0
	4-10	.3	2.3	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0
	11-21	1.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0
	22+	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	1.3	.0
	TOT %	2.0	4.0	.7	.0	.0	.0	.0	.0	.0	.7	7.3	.0
5<10	0-3	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.7	.0
	4-10	4.1	2.6	2.3	.7	1.7	2.8	1.2	2.3	.0	.0	17.9	.0
	11-21	3.3	2.6	.0	1.7	2.3	1.0	5.0	7.3	.0	.0	23.2	.0
	22+	1.3	.7	.0	.0	.7	1.8	5.5	2.0	.0	.0	11.9	.0
	TOT %	8.8	6.0	2.3	2.6	5.0	5.6	11.6	11.8	.0	.0	53.6	.0
10+	0-3	.0	.7	.7	.0	.0	.0	.0	.0	.0	.0	1.3	.0
	4-10	1.3	.7	.7	.0	.7	.5	2.8	2.0	.0	.0	8.6	.0
	11-21	2.0	1.3	.0	.7	.7	2.6	2.5	3.5	.0	.0	13.2	.0
	22+	.0	.0	.0	.0	1.5	3.1	1.0	1.7	.0	.0	7.3	.0
	TOT %	3.3	2.6	1.3	.7	2.8	6.3	6.3	7.1	.0	.0	30.5	.0
TOT OBS		151											
TOT PCT		17.7	13.9	5.3	3.3	7.8	11.9	19.2	20.2	.0	.7	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	8.3	33.3	.0	.0	8.3	.0	50.0	50.0	12
06009	.0	.0	8.3	8.3	.0	41.7	.0	.0	.0	.0	58.3	41.7	12
12015	.0	.0	.0	.0	20.0	30.0	10.0	.0	.0	.0	60.0	40.0	10
18021	7.1	.0	.0	.0	7.1	50.0	.0	.0	.0	.0	64.3	35.7	14
TOT	1	0	1	1	4	19	1	0	1	0	28	20	48
PCT	2.1	.0	2.1	2.1	8.3	39.6	2.1	.0	2.1	.0	58.3	41.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.1	8.3	2.1	8.3	54.2	25.0	48
06009	.0	.0	6.5	3.2	54.8	35.5	31
12015	.0	4.1	2.0	8.2	59.2	26.5	49
18021	3.3	3.3	.0	16.7	40.0	36.7	30
TOT	2	7	4	14	84	47	158
PCT	1.3	4.4	2.5	8.9	53.2	29.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	50.0	50.0	12
06009	.0	8.3	16.7	41.7	41.7	12
12015	.0	.0	11.1	44.4	44.4	9
18021	7.1	7.1	14.3	50.0	35.7	14
TOT	1	2	5	22	20	47
PCT	2.1	4.3	10.6	46.8	42.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.0	1.1	.0	2.1	.0	3	3.2
45/49	.0	.0	.0	.0	2.1	6.3	10.5	3.2	21	22.1
40/44	.0	.0	.0	.0	3.2	12.6	18.9	25.3	57	60.0
35/39	.0	.0	.0	.0	1.1	.0	7.4	6.3	14	14.7
TOTAL	0	0	0	0	7	18	37	33	95	100.0
PCT	.0	.0	.0	.0	7.4	18.9	38.9	34.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.1	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0
3.7	1.1	.0	1.1	1.1	1.1	4.2	10.0	.0	.0	.0
14.7	2.1	3.7	1.1	2.6	2.1	17.4	15.3	.0	1.1	.0
3.7	5.3	1.6	.0	2.1	1.1	1.1	.0	.0	.0	.0
23.2	8.4	6.3	2.1	5.8	5.3	22.6	25.3	.0	1.1	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	50	49	45	41	36	35	34	40.9	154
06009	49	47	45	41	36	34	34	40.4	88
12015	53	50	47	42	37	33	32	41.7	235
18021	51	50	48	43	37	34	34	42.5	84
TOT	53	49	46	41	36	34	32	41.4	561

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	10.0	26.7	26.7	36.7	84	30		
06009	.0	.0	6.7	13.3	53.3	26.7	89	15		
12015	.0	.0	8.6	17.1	37.1	37.1	85	35		
18021	.0	.0	.0	13.3	53.3	33.3	87	15		
TOT	0	0	7	18	37	33	85	95		

PERIOD: (PRIMARY) 1902-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
52.1S 57.2W

TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	TOT	W FOG	WD FOG
7/8	.0	.0	.7	2.2	4	.0	2.9
6	.0	.0	.7	.0	1	.0	.7
5	.0	3.7	.7	.0	6	.0	4.4
4	.0	2.2	3.7	.0	8	.0	5.9
3	.0	5.9	2.9	.0	12	1.5	7.4
2	.0	7.4	7.4	.0	20	3.7	11.0
1	.7	11.0	.7	.0	17	1.5	11.0
0	1.5	8.1	1.5	.0	15	2.2	8.8
-1	.7	9.6	.0	.0	14	2.2	8.1
-2	7.4	5.1	.0	.0	17	2.9	9.6
-3	11.0	1.5	.0	.0	17	2.9	9.6
-4	1.5	.7	.0	.0	3	.7	1.5
-5	.7	.0	.0	.0	1	.0	.7
-6	.0	.7	.0	.0	1	.0	.7
TOTAL	32	76	25	3	136	24	112
PCT	23.5	55.9	18.4	2.2	100.0	17.6	82.4

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	6.5
3-4	.0	.0	3.2	.0	.0	.0	3.2	.0	3.2	3.2	.0	.0	.0	6.5
5-6	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	3.2	.0	.0	.0	3.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	3.2
8-9	.0	.0	3.2	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	6.5	.0	.0	.0	8.9	.0	3.2	16.1	.0	.0	.0	19.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.0	.0	6.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	3.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	.0	.0	.0	.0	3.2	.0	.0	9.7	.0	.0	.0	9.7

PERIOD: (OVER-ALL) 1963-1975

OCTOBER

AREA 0018 FALKLAND ISLANDS
52.15 57.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.8	.0	.0	.0	.0		.8
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	6.5	3.2	.0	.0		9.7
5-6	.0	.0	3.2	2.4	.0	.0		5.6	.0	.8	.0	.8	.0	.0		1.6
7	.0	.0	3.2	3.2	.0	.0		6.5	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	3.2	.0	.0	.0		3.2
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	6.5	5.6	.0	.0		12.1	.0	1.6	9.7	4.0	.0	.0		15.3

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	2.4	.0	.0	.0	.0		2.4	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	3.2	.0	.0	.0	.0		3.2	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	2.4	.0	.0	.0		2.4	.0	.0	.8	.0	.0	.0		.8	
5-6	.0	5.6	.0	.0	.0	.0		5.6	.0	4.0	9.7	.0	.0	.0		13.7	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	3.2	.0	.0	.0		3.2	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	11.3	2.4	.0	.0	.0		13.7	.0	4.0	13.7	.0	.0	.0		17.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	3.2	.0	.0	.0	.0	3.2	
1-2	.0	6.5	6.5	.0	.0	.0	12.9	
3-4	.0	3.2	22.6	3.2	.0	.0	29.0	
5-6	.0	12.9	19.4	3.2	.0	.0	35.5	
7	.0	.0	9.7	3.2	.0	.0	12.9	
8-9	.0	.0	3.2	.0	.0	.0	3.2	
10-11	.0	.0	3.2	.0	.0	.0	3.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	25.8	64.5	9.7	.0	.0	100.0	31

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.6	7.9	15.8	7.9	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14
6-7	.0	.0	7.9	10.5	13.2	5.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15
8-9	.0	.0	.0	7.9	.0	10.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7
10-11	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	.0	1	6	13	8	7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	38
PCT	.0	2.6	15.8	34.2	21.1	18.4	2.6	2.6	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

NOVEMBER

AREA 0018 FALKLAND ISLANDS
52.0S 57.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	1.5	2.9	.0	.0	.0	.0	.0	4.4	.0	.0	8.8	.0	.0	.0	86.9
NE	2.7	5.4	2.7	.0	.0	.0	.0	10.8	.0	.0	10.8	.0	.0	.0	78.4
E	11.8	.0	5.9	.0	.0	.0	.0	17.6	.0	.0	11.8	.0	.0	.0	70.6
SE	31.3	12.5	.0	.0	12.5	.0	.0	43.8	.0	.0	6.3	.0	.0	.0	50.0
S	2.7	9.4	.0	.0	5.4	.0	.0	14.8	2.0	.0	5.4	.0	.0	.0	77.9
SW	5.8	2.1	1.9	.0	4.9	.0	.0	13.0	1.0	.0	2.9	.0	.0	.0	83.1
W	7.8	2.4	2.1	.0	1.2	.0	.0	12.2	.9	1.2	19.7	.0	.0	.0	67.2
NW	4.5	5.6	.0	.0	.0	.0	.0	10.2	.3	.0	14.1	.0	.0	.0	75.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	5.7	4.0	1.2	.0	2.5	.0	.0	12.2	.7	.2	10.2	.0	.0	.0	76.8
TOT OBS:	401														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	4.9	4.1	.8	.0	2.4	.0	.0	11.4	1.6	.8	16.3	.0	.0	.0	70.7
06009	8.3	3.6	3.6	.0	3.6	.0	.0	16.7	.0	.0	10.7	.0	.0	.0	72.6
12015	7.0	2.3	.8	.0	1.6	.0	.0	11.6	.0	.0	4.7	.0	.0	.0	83.7
18021	2.5	6.2	.0	.0	2.5	.0	.0	9.9	1.2	.0	8.6	.0	.0	.0	80.2
TOT PCT	5.8	3.8	1.2	.0	2.4	.0	.2	12.2	.7	.2	10.1	.0	.0	.0	77.0
TOT OBS:	417														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.2	3.5	4.2	2.2	.3	.0		10.4	15.3		13.1	11.0	3.3	8.3	5.5	12.9	15.7	10.8
NE	.5	1.4	1.0	.3	.0	.0		3.2	10.6		4.0	2.2	.0	2.2	3.3	3.0	4.6	4.5
E	.2	1.3	.3	.2	.1	.0		2.2	12.6		1.5	1.5	3.0	1.4	1.6	2.8	11.1	2.1
SE	.3	1.5	.5	.8	.1	.0		3.2	13.7		3.4	4.0	.0	2.5	2.2	4.4	3.7	2.8
S	.4	2.8	3.5	2.0	.5	.1		9.3	16.4		10.2	10.3	9.1	10.1	9.4	7.7	7.4	9.1
SW	1.4	5.4	9.9	5.5	1.4	.5		24.2	17.6		24.5	19.9	35.6	20.5	30.0	23.2	18.5	24.6
W	.5	5.0	9.8	4.3	1.0	.3		20.8	17.2		19.1	21.3	25.0	23.4	21.7	20.2	23.1	18.4
NW	.9	8.0	11.3	3.0	1.1	.1		26.4	16.0		24.2	29.0	18.9	31.7	26.3	25.7	15.7	26.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0		.0	.7	3.0	.0	.0	.0	.0	1.4
TOT OBS	50	292	411	206	46	10	1015		16.2		164	136	33	139	159	214	27	143
TOT PCT	4.9	28.8	40.5	20.3	4.5	1.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.5	4.4	3.6	.8	.1		10.4	15.3	12.2	7.7	9.7	11.6	
NE	1.0	1.5	.5	.1	.0		3.2	10.6	3.2	1.7	3.2	4.6	
E	.4	1.3	.2	.1	.1		2.2	12.6	1.5	1.7	2.3	3.5	
SE	1.1	.9	.8	.3	.*		3.2	13.7	3.7	2.0	3.5	2.9	
S	1.4	3.9	2.5	1.3	.2		9.3	16.4	10.3	9.9	8.4	8.8	
SW	3.3	8.7	8.0	3.3	.9		24.2	17.6	22.4	23.4	26.1	23.8	
W	2.1	7.9	8.3	2.0	.5		20.8	17.2	20.1	23.7	20.8	19.1	
NW	2.8	11.0	9.6	2.6	.4		26.4	16.0	26.4	29.2	25.9	24.4	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.4						.4	.0	.3	.6	.0	1.2	
TOT OBS	143	402	340	107	23	1015		16.2	300	172	373	170	
TOT PCT	14.1	39.6	33.5	10.5	2.3		100.0		100.0	100.0	100.0	100.0	

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	0-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.3	5.7	33.0	36.3	20.0	3.7	1.0	15.7	100.0
06009	.6	5.2	28.5	39.5	20.3	4.7	1.2	16.2	100.0
12015	.0	3.5	26.5	44.5	19.3	5.4	.8	16.4	100.0
18021	1.2	4.1	26.5	40.0	22.9	4.1	1.2	16.7	100.0
TOT	4	46	292	411	206	46	10	16.2	1015
PCT	.4	4.5	28.8	40.5	20.3	4.5	1.0	16.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-10	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	3.3	.0	2.9	1.1		4.5
NE	.0	.0	.4	3.1		7.8
E	.0	.0	1.8	2.7		7.4
SE	.0	.0	.0	1.8		8.0
S	2.2	.0	6.9	1.5		5.1
SW	4.6	4.4	13.7	10.2		5.7
W	5.1	2.7	6.2	7.3		5.3
NW	2.4	2.7	7.1	5.1		5.6
VAR	.0	.0	.0	.0		.0
CALM	.9	.0	.0	.0		.0
TOT OBS	21	11	44	37	113	5.6
TOT PCT	18.6	9.7	38.9	32.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.7	2.0	1.3	.0	.0	.0	.0	3.3	
.0	.0	.0	.0	2.2	.4	.9	.0	.0	.0	.0	
.9	.0	.0	.0	1.8	.9	.9	.0	.0	.0	.0	
.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	
.0	.0	.0	.0	3.3	1.5	.9	.0	.0	.0	4.9	
.9	.0	.0	1.8	2.9	12.8	.9	.0	.0	.0	13.7	
.0	.0	.0	.7	4.4	4.9	.0	.9	.0	.0	10.4	
.0	.0	.0	.4	2.0	3.8	.9	.9	.0	.0	9.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.2	.0	.0	.4	2.1	3.1	.5	1	.0	.0	4.8	113
1.8	.0	.0	3.5	18.6	27.4	4.4	.9	.9	.0	42.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR >10	OR >5	OR >2	VSBY (NM) OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
OR >5000	.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
OR >3500	3.4	5.1	5.1	5.1	6.0	6.0	6.0	6.0
OR >2000	27.4	32.5	32.5	32.5	33.3	33.3	33.3	33.3
OR >1000	38.5	48.7	51.3	51.3	52.1	52.1	52.1	52.1
OR >600	40.2	50.4	53.8	54.7	55.6	55.6	55.6	55.6
OR >300	40.2	50.4	53.8	54.7	55.6	55.6	55.6	55.6
OR >150	40.2	50.4	53.8	54.7	55.6	55.6	55.6	55.6
OR >0	40.2	51.3	54.7	55.6	56.4	57.3	57.3	57.3
TOTAL	47	60	64	65	66	67	67	67

TOTAL NUMBER OF OBS: 117

PCT FREQ NH <5/8: 42.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
10.6	8.1	9.8	4.1	10.6	8.9	11.4	9.8	25.2	1.6	123

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.3	.0	.0	.0	.6	.4	.0	.0	.0	1.3
	TOT %	.0	.0	.3	.0	.0	.0	.6	.4	.0	.0	.0	1.3
1/2<1	PCP	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.5
	NO PCP	.3	.3	.0	.0	.0	.0	.5	1.0	.0	.0	.0	2.0
	TOT %	.3	.3	.0	.0	.0	.4	.6	1.0	.0	.0	.0	2.5
1<2	PCP	.0	.4	.3	.1	.1	.9	.3	.8	.0	.0	.0	2.8
	NO PCP	.6	.0	.0	.0	.0	1.0	.6	1.3	.0	.0	.0	3.5
	TOT %	.6	.4	.3	.1	.1	1.9	.8	2.1	.0	.0	.0	6.3
2<5	PCP	.3	.0	.1	.4	.3	.9	.8	.5	.0	.0	.0	3.3
	NO PCP	1.6	.5	.4	.1	.6	3.0	.8	1.3	.0	.0	.0	8.3
	TOT %	1.8	.5	.5	.5	.9	3.9	1.6	1.8	.0	.0	.0	11.5
5<10	PCP	.1	.1	.0	.1	.4	1.3	.8	1.0	.0	.0	.0	3.8
	NO PCP	2.8	1.1	.5	.4	3.0	9.0	8.1	6.9	.0	.0	.0	31.8
	TOT %	2.9	1.3	.5	.5	3.4	10.3	8.9	7.9	.0	.0	.0	35.5
10+	PCP	.0	.0	.0	.3	.6	.5	.4	.0	.0	.0	.0	1.8
	NO PCP	3.0	2.3	.6	.6	4.3	13.4	7.8	9.0	.0	.0	.3	41.8
	TOT %	3.0	2.3	.6	.9	4.9	13.9	8.2	9.0	.0	.0	.3	43.6
TOT OBS													400
TOT PCT		8.6	4.6	2.1	2.0	9.3	20.3	20.7	22.1	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	.0
	4-10	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2	.0
	11-21	.0	.0	.2	.0	.0	.0	.0	.2	.0	.0	.5	.0
	22+	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2	.0
	TOT %	.0	.0	.2	.0	.0	.0	.6	.4	.0	.0	1.2	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.2	.2	.0	.0	.0	.2	.5	1.0	.0	.0	2.2	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.2	.0
	TOT %	.2	.2	.0	.0	.0	.4	.6	1.0	.0	.0	2.5	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.0
	4-10	.2	.2	.1	.1	.0	.6	.2	1.1	.0	.0	2.7	.0
	11-21	.1	.1	.1	.0	.1	1.2	.3	.7	.0	.0	2.7	.0
	22+	.2	.0	.0	.0	.0	.0	.2	.0	.0	.0	.5	.0
	TOT %	.6	.4	.2	.1	.1	1.8	.8	2.0	.0	.0	6.2	.0
2<5	0-3	.0	.0	.4	.1	.0	.5	.0	.2	.0	.0	1.2	.0
	4-10	.5	.5	.1	.2	.1	.6	.2	.9	.0	.0	3.2	.0
	11-21	.9	.0	.6	.1	.6	2.1	.9	.6	.0	.0	5.2	.0
	22+	.4	.0	.0	.0	.1	.7	.6	.1	.0	.0	2.0	.0
	TOT %	1.8	.5	.5	.5	.9	3.9	1.7	1.8	.0	.0	11.6	.0
5<10	0-3	.0	.5	.0	.0	.7	.5	.2	.0	.0	.0	2.0	.0
	4-10	1.7	.2	.2	.4	1.2	3.2	2.7	3.3	.0	.0	13.1	.0
	11-21	.9	.5	.0	.1	.6	3.6	3.3	2.8	.0	.0	11.8	.0
	22+	.2	.0	.2	.0	.7	2.8	2.5	1.8	.0	.0	8.4	.0
	TOT %	2.8	1.2	.5	.5	3.3	10.1	8.7	8.0	.0	.0	35.2	.0
10+	0-3	.2	.9	.1	.0	.0	1.1	.1	1.0	.0	.2	3.7	.0
	4-10	1.0	.8	.5	.4	2.0	3.8	2.3	3.5	.0	.0	14.3	.0
	11-21	.9	.6	.0	.0	1.7	5.2	4.2	3.6	.0	.0	16.3	.0
	22+	.9	.0	.0	.5	1.2	3.5	1.7	1.4	.0	.0	9.1	.0
	TOT %	3.1	2.2	.6	.9	4.9	13.7	8.3	9.5	.0	.2	43.3	.0
TOT OBS													406
TOT PCT		8.6	4.6	2.1	2.0	9.2	29.9	20.8	22.7	.0	.2	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	3.8	23.1	11.5	3.8	.0	.0	.0	42.3	57.7	26
06009	3.4	.0	.0	.0	17.2	27.6	3.4	.0	.0	.0	51.7	48.3	29
12015	.0	.0	.0	2.8	16.7	30.6	2.8	2.8	2.8	.0	58.3	41.7	36
18021	3.4	.0	.0	6.9	17.2	34.5	6.9	.0	.0	.0	69.0	31.0	29
TOT	2	0	0	4	22	32	5	1	1	0	67	53	120
PCT	1.7	.0	.3	3.3	18.3	26.7	4.2	.8	.8	.0	55.8	44.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.4	4.8	4.8	19.8	37.3	31.0	126
06009	.0	4.7	8.2	12.9	32.9	41.2	85
12015	.0	.8	6.9	4.6	36.9	50.8	130
18021	2.5	.0	6.2	7.4	29.6	54.3	81
TOT	5	11	27	48	147	184	422
PCT	1.2	2.6	6.4	11.4	34.8	43.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.8	15.4	30.8	53.8	26
06009	3.6	3.6	10.7	42.9	46.4	28
12015	.0	.0	2.8	55.6	41.7	36
18021	3.7	3.7	11.1	63.0	25.9	27
TOT	2	3	11	57	49	117
PCT	1.7	2.6	9.4	48.7	41.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	.3	.0	.3	.0	2	.7
50/54	.0	.0	.3	.3	.7	1.0	3.1	.3	17	5.9
45/49	.0	.0	.0	.7	2.1	7.7	13.6	16.4	116	40.6
40/44	.0	.0	.0	.3	4.2	3.8	12.6	17.5	110	38.5
35/39	.0	.0	.0	1.0	1.4	4.2	3.5	3.5	39	13.6
30/34	.0	.0	.0	.0	.3	.0	.0	.3	2	.7
TOTAL	0	0	1	7	26	48	95	109	286	100.0
PCT	.0	.0	.3	2.4	9.1	16.8	33.2	38.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
55/59	.3	.0	.0	.0	.0	.1	.3	.1	.0	.0
50/54	.7	.3	.0	.0	.3	1.7	1.0	1.7	.0	.0
45/49	6.6	3.0	.9	.2	2.1	8.7	8.0	10.9	.0	.3
40/44	1.0	1.7	.7	.3	3.4	12.0	10.0	8.4	.0	.0
35/39	.0	.0	.2	.9	2.6	8.9	.7	.3	.0	.0
30/34	.0	.0	.0	.0	.0	.3	.0	.3	.0	.0
TOTAL	8.5	5.0	1.7	1.4	6.5	32.8	19.9	21.9	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	53	50	48	43	37	34	31	42.6	296
06009	50	49	46	42	37	32	31	41.9	168
12015	58	54	50	44	38	35	32	43.9	365
18021	55	53	50	45	38	36	35	44.5	167
TOT	58	53	49	43	37	34	31	43.3	996

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.1	6.7	16.7	35.6	40.0	85	90
06009	.0	1.7	6.8	8.5	39.0	44.1	87	59
12015	.0	5.6	7.8	25.6	25.6	35.6	83	90
18021	.0	1.7	16.3	13.3	33.3	33.3	83	60
TOT	0	8	28	51	98	114	84	299

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	WQ FOG
9/10	.0	.0	.0	.4	.0	.0	.0	.4	2	.0	.8
7/8	.0	.0	.0	.0	.0	.4	.4	.0	2	.0	.8
6	.0	.0	.0	.0	1.2	.4	.4	.0	5	.0	2.0
5	.0	.0	.0	.0	1.2	.8	.4	.0	6	.0	2.4
4	.0	.0	.0	.8	1.6	1.2	.4	.0	10	.4	3.7
3	.0	.4	.4	1.2	1.6	.8	.0	.0	11	.0	4.5
2	.0	.0	.0	3.7	8.1	.8	.0	.0	31	2.8	9.8
1	.0	.0	.0	6.9	8.5	.4	.0	.0	39	1.6	14.2
0	.0	.0	.0	13.4	4.5	.4	.0	.0	45	4.5	13.8
-1	.0	.4	.8	6.9	2.8	.0	.0	.0	27	1.2	9.8
-2	.0	.0	2.4	6.3	.8	.0	.0	.0	24	1.6	8.1
-3	.0	.4	2.8	4.9	.8	.0	.0	.0	22	.0	8.9
-4	.0	.0	2.8	2.4	.0	.0	.0	.0	13	.0	5.3
-5	.0	.0	1.6	.0	.4	.0	.0	.0	5	.0	2.0
-7/-8	.0	.8	.0	.4	.0	.0	.0	.0	3	.0	1.2
-11/-13	.4	.0	.0	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	1	5	27	117	78	13	4	1	246	30	216
PCT	.4	2.0	11.0	47.6	31.7	5.3	1.6	.4	100.0	12.2	87.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.9	.0	.0	.0	.0	.9	.0	.3	.0	.0	.0	.0	.3
1-2	.0	1.2	.9	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.9	.0	.0	.0	.9	.0	.0	.3	.0	.0	.0	.3
5-6	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	1.2
10-11	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	1.7	4.9	.0	.0	8.7	.0	.3	1.5	.0	.0	.0	1.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.3	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	1.2	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	1.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.3	1.2	.0	.0	.0	3.5	.0	1.2	.0	1.2	.0	.0	2.3

PERIOD: (OVER-ALL) 1963-1975

NOVEMBER

AREA 0018 FALKLAND ISLANDS
52.05 57.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	.3	.0	.0	.0	.0	.3
3-4	.0	.0	1.2	.9	.0	.0	2.0	.0	.0	7.6	1.5	.0	.0	9.0
5-6	.0	.0	4.4	.0	.0	.0	4.4	.0	.3	2.9	4.9	.0	.0	8.1
7	.0	.0	.0	1.7	.0	.0	1.7	.0	2.3	2.3	2.9	.0	.0	7.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	3.5	2.3	.0	7.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	.0	1.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.3	.0	.0	3.5
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	1.2
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	5.5	2.6	.0	.0	9.3	.0	5.2	19.4	16.3	2.3	.0	39.2

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	2.0	.0	.0	.0	2.9	.0	1.2	.6	.0	.0	.0	1.7	.0
3-4	.0	.9	5.8	.0	.0	.0	6.7	.0	1.5	1.7	.0	.0	.0	3.2	.0
5-6	.0	.9	3.2	.9	.0	.0	4.9	.0	1.2	2.3	.6	.0	.0	4.1	.0
7	.0	.0	1.2	.0	.0	.0	1.2	.0	1.2	.0	.0	.0	.0	1.2	.0
8-9	.0	.0	.0	3.5	.0	.0	3.5	.0	.0	.0	.0	2.3	.0	2.3	.0
10-11	.0	.0	.9	.0	.0	.0	.9	.0	.0	1.2	.0	.0	.0	1.2	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.6	19.1	4.4	.0	.0	20.1	.0	4.9	5.8	.9	2.3	.0	14.0	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	2.3	.0	.0	.0	.0	3.4	
1-2	1.1	8.9	3.4	.0	.0	.0	11.3	
3-4	.0	3.4	18.4	2.3	.0	.0	24.1	
5-6	.0	2.3	12.6	9.2	.0	.0	24.1	
7	.0	3.4	3.4	4.6	.0	.0	11.3	
8-9	.0	1.1	1.1	8.0	4.6	.0	14.9	
10-11	.0	.0	3.4	1.1	.0	.0	4.6	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.1	3.4	.0	.0	4.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	1.1	.0	.0	1.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	87
TOT PCT	2.3	19.5	43.7	29.9	4.6	.0	100.0	

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	11.2	11.2	2.0	3.1	3.1	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	6
6-7	.0	.0	3.1	11.2	15.3	3.1	6.1	1.0	2.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	42	7
8-9	.0	.0	.0	2.0	3.1	4.1	1.0	2.0	5.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	10
10-11	.0	.0	.0	.0	.0	1.0	3.1	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	5	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
TOTAL	0	0	14	24	22	11	13	3	8	1	1	1	0	0	0	0	0	0	0	98	8
PCT	.0	.0	14.3	24.3	22.4	11.2	13.3	3.1	8.2	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975AREA 0018 FALKLAND ISLANDS
52.15 57.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	10.8	3.9	11.8	.0	.0	.0	.0	26.5	.0	.0	3.9	.0	.0	.0	89.6
NE	.0	.0	.0	.0	.0	.0	.0	.0	16.0	4.0	.0	.0	.0	.0	80.0
E	.0	.0	16.7	.0	.0	.0	.0	16.7	.0	12.3	.0	.0	.0	.0	70.8
SE	14.8	.0	.0	.0	.0	.0	.0	14.8	.0	.0	.0	.0	.0	.0	85.2
S	9.1	.0	.0	.0	.0	.0	.0	9.1	7.3	.0	.0	.0	.0	.0	83.6
SW	4.9	1.5	.0	.0	.0	.0	1.5	7.8	3.0	.0	3.7	.0	.0	.0	85.4
W	4.0	2.2	.0	.0	.0	.0	.0	6.2	.0	.0	7.3	.0	.0	.0	86.5
NW	6.7	4.4	5.3	.0	.0	.0	.0	16.4	.0	.0	8.0	.0	.0	.0	75.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	20.0	.0	20.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
TOT PCT	6.3	2.2	3.0	.0	.0	.0	.4	11.5	1.9	.4	4.8	.0	.0	.0	81.4
TOT OBS:	249														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	5.3	2.1	3.2	.0	.0	.0	.0	9.5	1.1	.0	8.4	.0	.0	.0	81.1
06009	4.4	4.4	2.9	.0	.0	.0	.0	11.8	4.4	.0	4.4	.0	.0	.0	79.4
12015	7.7	.0	3.8	.0	.0	.0	.0	11.5	.0	.0	2.6	.0	.0	.0	85.9
18021	6.9	1.7	1.7	.0	.0	.0	1.7	12.1	3.4	1.7	6.9	.0	.0	.0	75.9
TOT PCT	6.0	2.0	3.0	.0	.0	.0	.3	11.0	2.0	.3	5.7	.0	.0	.0	80.9
TOT OBS:	299														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12
N	.7	4.5	4.8	.8	.2	.0		11.0	12.4	7.5	7.4	13.2	9.4	10.9	17.1
NE	.4	1.6	1.7	.4	.2	.1		4.4	13.8	4.7	3.9	5.6	3.4	3.2	4.8
E	.7	2.5	1.1	.2	.1	.0		4.5	9.6	5.6	4.3	4.9	5.3	3.0	3.6
SE	.4	2.2	1.6	1.2	.1	.0		5.6	13.6	6.5	7.8	3.5	7.1	4.4	5.3
S	.7	3.0	3.5	1.3	1.0	.1		9.6	16.3	11.7	9.7	6.3	8.6	8.9	8.9
SW	1.6	5.8	8.9	3.6	1.6	.1		21.5	16.2	23.0	21.3	31.3	17.3	20.9	20.6
W	.9	4.7	8.3	3.7	1.0	.0		18.7	16.2	18.3	19.4	14.6	20.5	18.6	15.3
NW	1.0	7.4	10.3	2.7	.4	.0		21.7	13.7	18.8	20.9	18.1	23.1	25.0	22.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0							3.0	.0	1.6	5.4	2.8	5.3	3.0	2.4
TOT OBS	92	315	400	137	45	3	992		14.2	169	129	36	133	165	209
TOT PCT	9.3	31.6	40.3	13.8	4.5	.3		100.0		100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	2.3	5.9	2.3	.5	.0		11.0	12.4	7.5	10.2	14.4	10.8
NE	1.3	1.7	.9	.2	.3		4.4	13.8	4.4	3.8	4.9	3.5
E	2.0	1.7	.7	.1	.1		4.5	9.6	5.0	5.2	3.3	5.5
SE	1.3	2.3	1.6	.4	.0		5.6	13.6	7.0	6.4	4.9	3.8
S	2.0	3.3	2.7	1.1	.5		9.6	16.3	10.8	8.1	8.9	10.4
SW	3.5	8.1	7.0	2.1	.8		21.5	16.2	23.4	20.3	20.7	21.2
W	2.5	8.2	5.1	2.6	.3		18.7	16.2	18.8	19.2	16.8	22.5
NW	3.8	10.7	5.9	1.1	.2		21.7	13.7	19.7	22.0	23.4	21.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	3.0						3.0	.0	3.4	4.7	2.7	1.3
TOT OBS	216	416	261	79	20	992		14.2	298	169	374	151
TOT PCT	21.6	41.9	26.3	8.0	2.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975AREA 0018 FALKLAND ISLANDS
52.15 57.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	3.4	9.7	32.6	36.6	13.4	3.7	.7	13.3	100.0	298
0600	4.7	4.7	36.1	39.6	10.7	3.6	.6	13.4	100.0	169
1200	2.7	5.3	29.7	39.8	17.4	5.1	.0	19.0	100.0	374
1800	1.3	3.3	30.5	49.7	9.3	6.0	.0	19.0	100.0	191
TOT	30	62	315	400	137	45	3	14.2		992
PCT	3.0	6.3	31.8	40.3	13.8	4.5	.3	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	2.1	.7	1.9	4.3		5.7
NE	1.4	.7	.2	1.4		4.4
E	.5	.0	1.2	1.7		6.2
SE	.2	.0	1.0	1.7		7.1
S	2.6	1.4	2.8	3.3		5.3
SW	2.3	3.5	10.6	9.0		6.2
W	4.7	2.6	12.0	8.0		5.6
NW	2.3	2.3	5.0	5.9		5.9
VAR	.0	.0	.0	.0		.0
CALM	1.4	.7	.0	.7		3.7
TOT OBS	25	17	50	52	144	5.7
TOT PCT	17.4	11.8	34.7	36.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.9	1.7	1.2	.0	.0	.5	.0	4.7	
NE	.0	.0	.0	1.2	.3	.0	.0	.0	.0	.0	2.1	
E	.0	.0	.0	1.2	.0	.5	1.2	.0	.0	.0	.5	
SE	.0	.0	.0	.0	2.4	.2	.2	.0	.0	.0	.2	
S	.0	.0	.0	1.2	2.3	1.4	.0	.0	.0	.0	5.2	
SW	.0	.0	3.5	1.0	6.8	1.7	2.1	.0	.0	.0	10.2	
W	.0	.0	.0	1.9	9.7	3.8	.0	.0	.0	.0	11.1	
NW	.0	.0	.7	.2	3.8	1.6	.7	.0	.2	.0	8.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	2.1	
TOT OBS	0	1	6	11	39	15	6	0	1	1	64	144
TOT PCT	.0	.7	4.2	7.6	27.1	10.4	4.2	.0	.7	.7	44.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>5000	.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2
>3500	7.2	7.8	7.8	7.8	7.8	7.8	7.8	7.8
>2000	14.4	16.8	16.8	16.8	16.8	16.8	16.8	16.8
>1000	24.6	40.7	42.5	42.5	42.5	43.1	43.1	43.1
>600	28.7	47.9	52.7	52.7	52.7	53.3	53.3	53.3
>300	29.3	49.1	55.1	55.7	55.7	56.9	56.9	56.9
>150	29.3	49.1	55.1	56.9	56.9	58.1	58.1	58.1
>0	29.3	49.7	55.7	57.5	57.5	58.7	58.7	59.3
TOTAL	49	83	93	96	96	98	98	99

TOTAL NUMBER OF OBS: 167

PCT FREQ NH <5/8: 40.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.2	10.3	12.4	7.0	6.5	9.2	14.1	8.1	27.6	1.6	105

DECEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975

AREA 0018 FALKLAND ISLANDS
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.7	
	TOT %	.0	.0	.0	.4	.0	.4	.0	.4	.0	.0	1.1	
1/2<1	PCP	.0	.0	.0	.0	.0	.2	.7	.2	.0	.0	1.1	
	NO PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
	TOT %	.0	.0	.0	.0	.0	.6	.7	.2	.0	.0	1.5	
1<2	PCP	.0	.0	.4	.0	.0	.4	.0	.7	.0	.4	1.9	
	NO PCP	.0	.0	.0	.0	.0	.4	.7	.0	.0	.0	1.1	
	TOT %	.0	.0	.4	.0	.0	.7	.7	.7	.0	.4	3.0	
2<5	PCP	.7	.0	.0	.0	.0	.4	.2	.2	.0	.0	1.5	
	NO PCP	.0	.0	.0	.2	1.6	1.6	1.7	1.3	.0	.0	6.3	
	TOT %	.7	.0	.0	.2	1.6	2.0	1.9	1.5	.0	.0	7.8	
5<10	PCP	1.4	.0	.0	.0	.7	.7	.4	2.0	.0	.0	5.2	
	NO PCP	2.7	.1	.3	.1	3.0	5.7	9.2	5.4	.0	.4	26.8	
	TOT %	4.1	.1	.3	.1	3.7	6.4	9.6	7.3	.0	.4	32.0	
10+	PCP	.4	.0	.0	.0	.2	.3	.3	.4	.0	.0	1.4	
	NO PCP	4.3	2.2	1.6	1.9	4.7	14.6	12.4	10.4	.0	1.1	53.2	
	TOT %	4.6	2.2	1.6	1.9	4.9	14.9	12.6	10.8	.0	1.1	54.6	
TOT OBS													269
TOT PCT													9.5 2.3 2.2 2.5 10.2 24.9 25.6 20.9 .0 1.9 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.7	
	11-21	.2	.2	.0	.4	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.4	
	TOT %	.2	.2	.0	.4	.2	.6	.0	.4	.0	.0	1.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.1	
	TOT %	.0	.0	.0	.0	.0	.6	.7	.2	.0	.0	1.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.7	.0	.0	.4	1.1	
	4-10	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	
	11-21	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.7	.0	.4	.0	.0	1.1	
	TOT %	.0	.0	.4	.0	.0	.7	.7	.7	.0	.4	3.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	.0	.0	.2	.9	.4	.7	.7	.0	.0	3.7	
	11-21	.0	.0	.0	.0	.6	.8	.7	.7	.0	.0	3.0	
	22+	.0	.0	.0	.0	.0	.7	.4	.0	.0	.0	1.1	
	TOT %	.7	.0	.0	.2	1.6	1.9	1.8	1.5	.0	.0	7.7	
5<10	0-3	.0	.0	.0	.0	.2	.4	.2	.7	.0	.4	1.8	
	4-10	1.7	.1	.3	.0	2.1	.8	2.4	1.5	.0	.0	8.9	
	11-21	2.4	.0	.0	.1	1.4	3.1	5.1	3.4	.0	.0	15.5	
	22+	.0	.0	.0	.0	.0	2.0	1.8	1.7	.0	.0	5.5	
	TOT %	4.1	.1	.3	.1	3.7	6.4	9.5	7.3	.0	.4	31.7	
10+	0-3	.4	.4	.0	.0	.9	2.2	.6	.7	.0	1.1	6.3	
	4-10	1.3	.9	.6	.6	2.4	6.5	4.6	5.2	.0	.0	22.1	
	11-21	2.6	.9	.9	1.2	1.2	5.2	3.4	4.4	.0	.0	21.8	
	22+	.4	.0	.0	.0	.4	.9	2.0	.4	.0	.0	4.1	
	TOT %	4.6	2.2	1.6	1.8	4.9	14.8	12.5	10.7	.0	1.1	54.2	
TOT OBS													271
TOT PCT													9.6 2.5 2.2 2.5 10.3 24.9 25.4 20.8 .0 1.8 100.0

DECEMBER

PERIOD: (PRIMARY) 1965-1975
(OVER-ALL) 1869-1975

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52.15 57.0W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	2.0	9.8	2.0	13.7	9.8	5.9	.0	.0	2.0	45.1	54.9	51
06009	2.4	.0	2.4	14.6	36.6	9.8	4.9	.0	.0	.0	70.7	29.3	41
12015	2.3	.0	.0	11.6	30.2	9.3	7.0	.0	2.3	.0	62.8	37.2	43
18021	2.5	2.5	.0	12.5	27.5	5.0	7.5	.0	.0	.0	57.5	42.5	40
TOT	3	2	6	17	46	15	11	0	1	1	102	73	175
PCT	1.7	1.1	3.4	9.7	26.3	8.6	6.3	.0	.6	.6	58.3	41.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	2.1	1.1	6.3	7.4	31.6	51.6	95
06009	4.3	.0	2.9	10.1	34.8	47.8	69
12015	1.3	2.6	.0	5.1	34.6	56.4	78
18021	.0	1.8	1.8	12.3	28.1	56.1	57
TOT	6	4	9	25	97	158	299
PCT	2.0	1.3	3.0	8.4	32.4	52.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	12.5	14.6	31.3	54.2	48
06009	2.5	7.5	22.5	50.0	27.5	40
12015	2.5	2.5	15.0	50.0	35.0	40
18021	.0	2.6	13.1	33.3	43.6	39
TOT	2	11	31	68	68	167
PCT	1.2	6.6	18.6	40.7	40.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.0	.0	1.2	.8	.0	.0	5	2.0
50/54	.0	.0	.0	.0	2.8	2.8	6.8	3.2	39	15.7
45/49	.0	.0	.0	.8	4.0	8.0	24.5	14.5	129	51.8
40/44	.0	.0	.0	.8	.0	5.6	8.8	8.0	58	23.3
35/39	.0	.0	.0	.0	.4	1.2	3.6	2.0	18	7.2
TOTAL	0	0	0	4	21	46	109	69	249	100.0
PCT	.0	.0	.0	1.6	8.4	18.5	43.8	27.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	C&LH
.4	.0	.0	.0	.0	.8	.4	.4	.0	.0
1.5	.0	.0	.4	1.0	2.8	4.6	4.9	.0	.4
4.1	2.0	.7	.7	3.3	12.8	15.0	11.6	.0	1.6
1.0	.4	1.4	.7	3.9	6.9	4.8	3.7	.0	.4
.4	.0	.0	.5	2.2	2.6	1.5	.0	.0	.0
7.4	2.4	2.1	2.3	10.4	25.9	26.3	20.7	.0	2.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	55	53	50	45	39	37	36	44.6	290
06009	52	50	48	44	38	37	36	43.6	177
12015	55	54	51	46	40	38	36	45.8	373
18021	58	55	52	47	41	39	38	46.5	151
TOT	58	54	51	45	39	37	36	45.2	991

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	7.1	17.9	40.5	33.3	85	84
06009	.0	.0	3.0	7.6	50.0	39.4	87	66
12015	.0	.0	10.7	20.0	48.0	21.3	83	75
18021	.0	5.6	11.1	24.1	29.6	29.6	82	54
TOT	0	4	22	48	119	86	84	279

DECEMBER

PERIOD: (PRIMARY) 1905-1975
(OVER-ALL) 1869-1975AREA 0018 FALKLAND ISLANDS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	37 40	41 44	45 48	49 52	53 56	57 60	TOT	% FOG	WD FOG
9/10	.0	.0	.0	.0	.4	.4	2	.0	.8
7/8	.0	.0	.0	.0	.4	.0	1	.0	.4
6	.0	.0	.0	2.1	.4	.0	6	.0	2.5
5	.0	.0	.0	2.1	.4	.0	6	.0	2.5
4	.0	.0	2.1	3.3	.0	.0	13	.4	4.9
3	.0	.8	4.1	4.9	.0	.0	24	1.2	8.6
2	.4	.8	8.2	3.7	.0	.0	32	1.2	11.9
1	.0	2.1	10.3	2.5	.0	.0	36	1.2	13.6
0	.4	3.7	8.6	1.2	.0	.0	34	1.6	12.3
-1	.8	2.9	6.2	1.6	.0	.0	28	.4	11.1
-2	2.5	2.5	2.1	.4	.0	.0	18	.0	7.4
-3	.4	4.9	1.2	.0	.0	.0	16	.4	6.2
-4	.8	1.6	.4	.4	.0	.0	8	.0	3.3
-5	2.1	1.2	.8	.0	.0	.0	10	.0	4.1
-6	.8	.0	.4	.0	.0	.0	3	.0	1.2
-7/-8	1.6	.4	.4	.0	.0	.0	6	.0	2.5
TOTAL	24	51	109	54	4	1	243	16	227
PCT	9.9	21.0	44.9	22.2	1.6	.4	100.0	6.6	93.4

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	.0	.0	.0	.0	.0	.8	.0	.2	.0	.0	.0	.0	.2
1-2	.0	.8	4.2	.0	.0	.0	5.0	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	1.3	.8	.0	.0	2.1	.0	.0	.8	.0	.0	.0	.8
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	.8	6.7	.8	.0	.0	9.2	.0	1.0	.8	.0	.0	.0	1.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.6	.0	.0	.0	1.3	.0	.2	2.3	.0	.0	.0	2.5
3-4	.0	.0	.8	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	1.5	.0	.0	.0	3.5	.0	1.0	2.3	.0	.0	.0	3.3

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

AREA 0018 FALKLAND ISLANDS
52.15 57.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.6	.0	.0	.0	.0	.6	.0	1.0	.8	.0	.0	.0	1.9	
1-2	.0	1.3	4.4	.0	.0	.0	5.6	.0	4.0	3.1	.0	.0	.0	7.1	
3-4	.0	1.7	.0	.8	.0	.0	2.5	.0	1.9	4.4	3.3	.0	.0	9.6	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.8	.0	.0	3.5	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.5	4.4	.8	.0	.0	8.8	.0	6.9	12.7	5.8	.8	.0	26.3	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	2.3	.0	.0	.0	.0	2.3	.0	1.0	.8	.0	.0	.0	1.9	
1-2	.0	3.8	8.3	.0	.0	.0	12.1	.0	2.7	3.8	.0	.0	.0	6.5	
3-4	.0	2.3	5.2	1.7	.0	.0	9.2	.0	.8	1.7	.8	.0	.0	3.3	
5-6	.0	.0	.6	1.7	.0	.0	2.3	.0	.8	.2	.0	.0	.0	1.0	
7	.0	.0	.0	.8	.0	.0	.8	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	1.3	.0	.0	.0	1.3	
10-11	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	8.3	15.6	5.8	.0	.0	29.8	.0	5.4	7.7	1.7	.0	.0	14.8	97.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.3	6.7	1.7	.0	.0	.0	11.7	
1-2	.0	14.2	26.7	.0	.0	.0	40.8	
3-4	.0	7.5	14.2	7.5	.0	.0	29.2	
5-6	.0	.8	4.2	2.5	.0	.0	7.5	
7	.0	.0	.0	1.7	.0	.0	1.7	
8-9	.0	.0	4.2	.0	.0	.0	4.2	
10-11	.0	.0	.0	1.7	.0	.0	1.7	
12	.0	.0	.8	.8	.0	.0	1.7	
13-16	.0	.0	.0	.8	.0	.0	.8	
17-19	.0	.0	.0	.8	.0	.0	.8	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	29.2	51.7	15.0	.8	.0	100.0	120

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.6	11.7	18.8	5.8	1.9	3.2	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.67	4
6-7	.0	2.6	5.2	13.0	3.9	1.3	1.3	.0	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.44	6
8-9	.0	.0	.6	1.3	4.5	3.2	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.17	8
10-11	.0	.0	.0	.0	.0	.6	1.9	.0	1.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.7	13
12-13	.0	.0	.6	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	9
>13	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	7
INDET	3.9	.0	.6	.6	1.9	.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.13	4
TOTAL	7	22	40	33	21	14	8	2	3	2	2	0	0	0	0	0	0	0	0	154	6
PCT	4.5	14.3	26.0	21.4	13.6	9.1	5.2	1.3	1.9	1.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1902-1976
(OVER-ALL) 1855-1976

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52.15 57.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	NO SIG WEA
N	6.5	1.9	4.5	.0	.2	.0	.4	13.1	.0	.5	15.9	.6	1.4	.0	68.5
NE	9.1	2.7	4.6	.0	.0	.0	.8	17.0	1.8	.3	18.9	4.8	2.1	.0	55.1
E	8.4	1.9	7.0	.0	.0	.0	.0	16.9	.0	1.0	14.9	.0	.0	.0	67.2
SE	16.7	3.9	1.4	.0	7.1	.0	1.7	29.4	1.7	1.7	11.4	.0	.0	.0	55.9
S	5.0	5.7	2.8	.0	6.9	.0	.0	18.8	.8	.0	4.8	.0	.4	.2	75.1
SW	4.2	4.2	1.8	.0	4.6	.0	1.1	14.1	.7	.0	5.7	.0	.1	.0	79.4
W	3.4	2.2	1.8	.0	1.3	.0	1.7	10.2	2.1	.5	9.9	.1	.4	.2	76.7
NW	5.6	1.4	5.2	.0	.1	.0	.1	12.3	.6	.2	12.2	.4	.9	.1	74.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.1	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	6.0	.4	2.8	.0	55.4
TOT PCT	5.6	2.6	3.5	.0	2.1	.0	.7	13.9	1.0	.3	11.0	.2	.5	.1	73.1
TOT OBS:	2981														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	NO SIG WEA
00003	5.6	2.8	4.4	.0	1.5	.0	.6	14.3	1.2	.7	12.7	.1	.3	.1	70.7
06009	6.7	1.9	2.9	.0	2.0	.0	.2	12.8	1.7	.1	9.7	.2	.3	.1	75.0
12013	6.1	2.6	3.0	.0	2.6	.0	1.2	14.8	.4	.0	10.3	.3	.9	.1	73.2
18021	4.0	2.4	3.0	.0	2.9	.0	.9	12.6	1.0	.1	11.0	.0	.2	.0	74.9
TOT PCT	5.5	2.5	3.4	.0	2.2	.0	.7	13.8	1.0	.3	11.1	.2	.5	.1	73.1
TOT OBS:	3154														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.5	3.2	5.1	2.8	.6	.1		12.3	16.6	11.8	12.0	13.2	11.1	11.7	13.5	12.0	12.7	
NE	.3	1.6	1.6	.5	.2	.1		4.2	14.0	5.2	4.0	6.0	3.2	4.4	3.9	5.9	4.3	
E	.3	1.2	.7	.4	.2	.1		2.9	14.2	2.8	2.3	4.6	2.9	2.9	3.3	4.4	2.7	
SE	.4	1.5	1.4	.8	.3	.1		4.3	15.1	4.5	5.3	4.0	5.0	3.0	4.3	2.5	4.5	
S	.4	1.9	2.9	1.9	.8	.1		8.0	18.7	7.9	7.2	10.2	7.8	9.8	7.5	14.2	6.5	
SW	.6	4.8	8.9	4.9	1.8	.3		21.3	18.2	21.7	20.4	16.3	20.1	21.5	21.9	18.1	22.3	
W	.6	4.7	9.1	5.3	1.5	.2		21.5	18.2	23.2	21.7	20.2	20.7	20.5	20.9	17.1	21.7	
NW	.8	6.1	10.4	5.4	1.2	.2		24.2	17.1	21.6	25.5	24.4	27.6	24.9	23.6	22.6	24.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.3							1.3	.0	1.2	1.7	1.1	1.4	1.1	1.1	3.2	1.1	
TOT OBS							9051		17.1	1470	1131	256	1158	1452	2115	290	1179	
TOT PCT	5.2	25.0	40.0	22.1	6.7	1.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.7	4.7	4.0	1.6	.2		12.3	16.6	11.9	11.3	12.8	12.6	
NE	1.1	1.8	1.0	.3	.1		4.2	14.0	4.6	3.6	4.1	4.5	
E	.8	1.2	.6	.2	.1		2.9	14.2	2.6	3.1	3.1	2.9	
SE	1.0	1.7	.9	.6	.1		4.3	15.1	4.8	4.8	3.8	4.1	
S	1.1	2.6	2.4	1.5	.4		8.0	18.7	7.6	8.0	8.5	7.5	
SW	2.2	8.1	7.0	3.2	.8		21.3	18.2	21.1	19.9	21.7	21.9	
W	2.3	7.6	7.7	3.2	.7		21.5	18.2	22.6	21.0	20.8	21.4	
NW	2.7	9.4	8.4	3.2	.6		24.2	17.1	23.3	26.8	24.1	23.7	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.3						1.3	.0	1.4	1.5	1.1	1.4	
TOT OBS						9051		17.1	2601	1414	3567	1469	
TOT PCT	14.2	37.0	32.0	13.8	3.1		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1902-1976
(OVER-ALL) 1855-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			45+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.4	4.6	26.1	41.0	20.2	5.9	.8	16.4	100.0	2601
06009	1.5	4.1	25.9	38.8	23.0	5.7	1.1	16.8	100.0	1414
12015	1.1	3.6	24.0	39.3	23.3	7.5	1.2	17.7	100.0	3567
18021	1.4	3.1	24.7	41.6	21.3	7.0	.9	17.4	100.0	1469
TOT								17.1		9051
PCT	1.3	3.9	25.0	40.0	22.1	6.7	1.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	2.0	.6	5.5	6.4		6.0
NE	.7	.1	1.0	4.1		6.8
E	.5	.7	1.0	1.4		5.0
SE	.9	.1	1.1	1.1		5.8
S	1.0	.6	4.2	3.0		5.3
SW	3.7	2.7	8.4	5.1		5.4
W	4.5	3.3	7.1	6.0		5.3
NW	5.2	1.7	6.9	7.8		5.3
VAR	.0	.0	.0	.0		.0
CALM	.3	.2	.2	.3		2.1
TOT OBS					1074	5.6
TOT PCT	17.8	9.8	37.3	35.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM) >4/8
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	2500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.7	.0	*	2.1	4.5	1.3	.4	.4	.3	.4	4.3	
NE	.5	.0	.3	1.3	1.4	.7	.3	.1	*	*	1.1	
E	.2	.0	.1	.1	.9	.3	.3	.0	.0	.1	1.6	
SE	*	.0	.0	.5	.5	.7	.2	.0	.0	.0	.4	
S	.1	.0	.1	.7	4.2	2.5	.4	.0	.0	.0	2.6	
SW	.1	.0	.3	.6	3.7	4.5	1.0	.0	.1	.0	9.6	
W	.1	*	.1	.6	3.9	3.2	1.3	.4	.3	.2	10.7	
NW	.5	.0	.1	1.1	3.1	2.6	2.3	.1	*	.6	11.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.1	.1	*	.0	.1	.0	.0	.0	.0	.5	
TOT OBS												1074
TOT PCT	2.2	.1	1.1	7.1	22.2	15.9	6.2	1.0	.7	1.4	42.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2
= OR >5000	2.4	2.9	3.2	3.2	3.2	3.2	3.2	3.2
= OR >3500	6.8	9.1	9.5	9.5	9.6	9.6	9.6	9.6
= OR >2000	16.0	24.0	24.8	24.8	24.9	24.9	24.9	24.9
= OR >1000	27.9	43.7	47.1	47.4	47.6	47.7	47.7	47.7
= OR >600	31.7	50.1	54.1	54.6	54.8	54.9	54.9	54.9
= OR >300	32.2	50.8	55.0	55.5	55.8	55.9	55.9	55.9
= OR >150	32.2	50.8	55.0	55.7	55.9	56.1	56.1	56.1
= OR >0	32.2	51.0	55.6	56.3	56.8	57.8	58.2	58.3

TOTAL NUMBER OF OBS: 1113

PCT FREQ NH <5/8: 41.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.4	8.1	9.1	7.0	6.9	7.9	12.4	11.5	26.1	1.7	1198

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.2	*	*	*	*	*	.2	.1	.0	*	.5	
	NO PCP	.1	.1	.1	*	*	.1	.2	.3	.0	.1	.6	
	TOT %	.2	.1	.1	*	.1	.1	.4	.4	.0	.1	1.5	
1/2<1	PCP	.1	*	.1	*	*	.2	.1	.2	.0	.0	.8	
	NO PCP	.9	.1	.0	.1	*	.2	.2	.7	.0	*	2.2	
	TOT %	1.0	.2	.1	.1	.1	.4	.3	.9	.0	*	3.0	
1<2	PCP	*	.1	.1	.1	.1	.3	.1	.4	.0	*	1.2	
	NO PCP	.7	.1	*	.1	*	.5	.5	.5	.0	.1	2.0	
	TOT %	.3	.2	.1	.2	.1	.8	.6	.9	.0	.1	3.2	
2<5	PCP	.2	.1	.1	.1	.3	.6	.6	.4	.0	.0	2.5	
	NO PCP	.8	.4	.1	.1	.3	1.0	.8	1.0	.0	*	4.5	
	TOT %	1.0	.4	.2	.2	.6	1.5	1.4	1.5	.0	*	6.9	
5<10	PCP	1.0	.5	.2	.7	1.0	1.2	1.1	1.4	.0	.0	7.2	
	NO PCP	5.3	2.1	.8	1.0	3.4	7.4	11.2	11.1	.0	.2	42.6	
	TOT %	6.3	2.6	1.1	1.7	4.4	8.6	12.3	12.5	.0	.2	49.8	
10+	PCP	.3	*	*	*	.1	.3	.2	.3	.0	.0	1.4	
	NO PCP	4.3	1.4	1.0	.7	2.7	7.3	8.6	7.8	.0	.4	34.7	
	TOT %	4.6	1.4	1.1	.7	2.8	7.6	8.8	8.1	.0	.4	36.1	
TOT OBS													2956
TOT PCT		13.4	4.9	2.6	3.0	8.1	19.1	23.8	24.3	.0	.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	*	*	.1	.1	.0	.1	.3	
	4-10	.1	*	*	*	*	.1	.1	.1	.0	.1	.4	
	11-21	.1	.1	*	*	.0	*	.1	.1	.0		.5	
	22+	.1	.0	.0	*	*	*	.1	.1	.0		.3	
	TOT %	.2	.1	.1	*	.1	.2	.3	.3	.0	.1	1.4	
1/2<1	0-3	.0	.0	.0	.0	*	*	.0	.1	.0	*	.2	
	4-10	.1	.1	.1	.1	*	.1	.1	.4	.0		.9	
	11-21	.5	.1	.0	*	*	.1	.1	.3	.0		1.2	
	22+	.2	.0	.0	.0	.0	.2	.1	*	.0		.5	
	TOT %	.8	.2	.1	.1	.1	.4	.3	.9	.0	*	2.8	
1<2	0-3	.0	.0	.0	.0	.0	*	.1	.1	.0	.1	.3	
	4-10	.1	*	*	.1	*	.3	.2	.4	.0		1.2	
	11-21	.1	.1	.1	.1	.1	.2	.2	.2	.0		1.1	
	22+	.1	*	*	*	.1	.2	.1	.1	.0		.7	
	TOT %	.3	.2	.1	.2	.2	.8	.6	.9	.0	.1	3.4	
2<5	0-3	.0	*	*	*	.0	*	.1	*	.0	.1	.3	
	4-10	.3	.3	*	.1	.2	.4	.6	.8	.0		2.7	
	11-21	.4	.3	.1	.1	.6	.8	.8	.6	.0		3.8	
	22+	.3	*	.2	*	.2	.3	.2	.1	.0		1.4	
	TOT %	1.0	.7	.4	.3	1.0	1.5	1.7	1.5	.0	.1	8.2	
5<10	0-3	.2	.1	*	.2	.2	.2	.2	.3	.0	.2	1.6	
	4-10	2.1	.7	.7	.3	1.0	2.1	3.0	3.3	.0		13.3	
	11-21	2.5	1.2	.1	.5	1.7	4.4	5.0	5.4	.0		20.7	
	22+	1.1	.5	.2	.6	1.5	2.0	3.2	2.6	.0		11.7	
	TOT %	5.8	2.5	1.0	1.6	4.3	8.7	11.5	11.7	.0	.2	47.4	
10+	0-3	.2	.4	.1	.1	.1	.4	.2	.4	.0	.4	2.3	
	4-10	1.0	.5	.4	.2	.8	2.1	2.5	2.7	.0		10.3	
	11-21	1.6	.5	.3	.3	1.1	4.1	4.8	4.0	.0		16.7	
	22+	1.4	.1	.2	.1	1.1	1.7	1.9	1.2	.0		7.6	
	TOT %	4.2	1.5	1.0	.7	3.1	8.3	9.4	8.3	.0	.4	36.8	
TOT OBS													3042
TOT PCT		12.3	5.1	2.7	2.9	8.8	19.8	23.7	23.6	.0	1.0	100.0	

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PERIOD: (PRIMARY) 1902-1976
(OVER-ALL) 1855-1976

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	2.1	.3	1.6	5.9	23.7	12.4	9.3	.5	1.0	1.1	57.8	42.2	314
06009	4.0	.0	1.1	8.2	22.9	11.0	5.2	.0	.3	1.1	53.6	46.4	250
12015	.7	.0	.6	7.0	24.7	14.5	5.8	3.0	1.1	.9	58.3	41.7	297
18021	2.7	.2	.4	7.7	25.0	18.6	3.1	.6	.4	1.7	60.4	39.6	288
TOT PCT	2.3	.1	1.0	7.0	22.3	15.1	6.1	.9	.7	1.4	56.9	43.1	1149 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.8	3.0	3.4	8.6	50.6	32.7	994
06009	1.2	3.0	5.0	10.7	45.4	34.7	608
12015	1.1	2.7	2.9	6.4	49.3	37.5	975
18021	1.4	1.9	2.1	9.1	43.3	42.2	633
TOT PCT	1.5	2.7	3.3	8.3	47.6	36.6	3212 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	2.2	5.0	12.1	47.1	40.8	305
06009	4.0	5.5	20.2	35.4	44.4	244
12015	.8	2.1	15.2	45.4	39.5	285
18021	2.0	2.7	14.9	46.3	38.8	279
TOT PCT	2.2	3.8	14.9	43.7	41.4	1113 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/64	.0	.0	.0	*	*	*	.0	.0	.1	
55/59	.0	.0	.0	.1	.2	.1	.5	.2	1.2	
50/54	.0	.0	.1	.2	.9	1.6	5.0	2.8	10.5	
45/49	.0	.0	.1	.3	1.9	6.6	12.4	10.4	31.6	
40/44	.0	.0	*	.5	3.1	6.0	11.5	17.7	38.9	
35/39	.0	.0	*	.9	1.3	2.7	4.5	4.9	14.4	
30/34	.0	.0	.0	.0	*	.7	1.5	1.0	3.2	
25/29	.0	.0	.0	.0	*	.0	.0	.1	.2	
TOTAL PCT	.0	.0	.2	2.1	7.5	17.8	35.4	37.1	2426 100.0	

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
50/64	*	*	.0	.0	.0	.0	*	*	.0	.0
55/59	.2	.1	*	.0	*	.2	.3	.3	.0	.1
50/54	1.4	.5	.3	.1	.5	1.7	2.4	3.3	.0	.2
45/49	3.6	1.4	.6	.5	1.3	5.9	8.3	9.5	.0	.4
40/44	7.1	1.8	1.2	1.1	3.3	6.1	8.9	9.1	.0	.2
35/39	1.0	.9	.4	.9	2.6	3.9	3.3	1.1	.0	.2
30/34	.6	.2	.0	.3	.6	.8	.5	.1	.0	.0
25/29	.0	.0	.0	.0	*	.0	.1	.0	.0	.0
TOTAL	14.0	5.0	2.5	3.0	8.5	18.6	24.0	23.4	.0	1.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	56	50	47	42	37	34	22	43.1	2592
06009	55	49	47	42	36	33	23	42.8	1426
12015	61	51	48	43	37	33	23	43.8	3534
18021	62	51	49	44	38	34	27	44.7	1471
TOT	62	51	48	43	37	34	22	43.6	9023

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	8.7	19.9	33.4	36.5	85	790
06009	.0	.9	4.6	12.2	38.1	44.2	86	484
12015	.0	1.9	6.3	19.8	34.6	37.4	84	771
18021	.0	4.4	9.5	17.4	36.3	32.4	83	521
TOT	0	53	193	453	949	916	84	2566

PERIOD: (PRIMARY) 1962-1976
(OVER-ALL) 1855-1976

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TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOLT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	61 64	TOT	W FOG	W FOG
14/16	.0	.0	.0	.0	.0	.0	*	.0	.0	1	.0	*
11/13	.0	.0	.0	.0	.0	*	*	.0	*	3	.0	.1
9/10	.0	.0	.0	*	.0	.2	.1	.1	.0	10	*	.4
7/8	.0	.0	.0	.1	.1	.4	.2	*	.0	22	*	.8
6	.0	.0	.0	.2	.2	.4	.3	*	.0	32	.1	1.2
5	.0	.0	.0	.4	.6	.8	.7	.1	.0	67	.1	2.4
4	.0	.0	.0	.6	1.1	1.5	.5	.0	.0	100	.2	3.5
3	.0	*	*	1.0	2.8	2.2	.2	.1	.0	157	.6	5.8
2	.0	.1	.1	2.4	4.8	2.5	.2	.0	.0	245	1.1	9.1
1	.0	.0	.8	5.6	5.3	2.0	.1	.0	.0	315	1.6	12.2
0	.0	.0	1.0	7.7	5.1	1.2	*	.0	.0	313	2.3	12.7
-1	.0	*	1.6	5.6	3.3	.6	*	.0	.0	244	1.0	10.1
-2	.0	.0	3.8	4.1	1.8	.4	.0	.0	.0	218	1.4	8.7
-3	.0	.1	4.2	3.2	1.4	.2	*	.0	.0	195	1.4	7.7
-4	.0	.7	2.8	1.5	.5	.1	.0	.0	.0	116	*	5.0
-5	.0	.9	1.7	.6	.2	.1	.0	.0	.0	65	.7	2.9
-6	.1	.9	1.1	.3	.2	.0	.0	.0	.0	49	.2	2.4
-7/-8	.1	.8	.7	.2	.1	.0	.0	.0	.0	40	*	1.9
-9/-10	.7	.5	.1	*	.0	.0	.0	.0	.0	19	.0	1.3
-11/-13	.3	.1	.0	.0	.0	.0	.0	.0	.0	7	.0	.4
-14/-16	*	.0	.0	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL										2219		
PCT	1.3	4.2	17.9	33.7	27.5	12.6	2.4	.4	*	100.0	11.2	88.8

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.2	.5	.0	.0	.0	.0	.7	.3	.3	.0	.0	.0	.0	.6
1-2	.1	.4	1.1	.0	.0	.0	1.6	.1	.2	.7	.0	.0	.0	.9
3-4	.0	.3	1.1	.4	.0	.0	1.8	.0	.3	.5	.0	.0	.0	.7
5-6	.0	.2	.7	.6	.0	.0	1.4	.0	*	1.0	.0	.0	.0	1.0
7	.0	.0	.2	.7	.0	.0	.9	.0	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.5	2.0	.3	.0	2.7	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	1.7	3.1	.0	.0	4.8	.0	.0	*	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	3.0	2.6	.0	5.8	.0	.0	.0	1.7	.0	.0	1.7
17-19	.0	.0	.0	*	.0	.0	*	.0	.0	.0	*	*	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	1.5	5.3	9.8	3.0	.0	19.9	.4	.7	2.6	1.9	*	.0	5.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3	.3	*	.0	.0	.0	.0	.4
1-2	.1	.8	.3	.0	.0	.0	1.2	.0	*	.2	.0	.0	.0	.3
3-4	.0	.1	.3	.0	.0	.0	.3	.0	.3	.5	.0	.0	.0	.8
5-6	.0	.0	.1	.0	.0	.0	.1	.0	.0	.4	.1	.0	.0	.5
7	.0	.0	.0	.1	.0	.0	.1	.0	.0	.1	*	.0	*	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.2	.7	1.7	.0	.0	3.7	.3	.3	1.3	.1	.0	*	2.1

PERIOD: (OVER-ALL) 1963-1974

ANNUAL

AREA 0018 FALKLAND ISLANDS
52.15 57.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.1	.0	.0	.0	.4	.0	.3	.2	.0	.0	.0	.5
1-2	.0	.2	.4	.0	.0	.0	.6	.0	1.1	1.8	.0	.0	.0	2.9
3-4	.0	.6	1.0	.4	.0	.0	2.0	.0	.3	4.3	.8	.0	.0	5.4
5-6	.0	.0	1.4	.4	.0	.0	1.8	.0	.2	1.6	1.1	.0	.0	2.9
7	.0	.0	.3	.5	.0	.1	.9	.0	.2	1.0	.8	.0	.0	2.0
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.1	.3	.6	.2	.0	1.2
10-11	.0	.0	.0	.1	.0	.0	.1	.0	.0	.4	.4	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.2	.0	.0	.3
13-16	.0	.0	.0	.5	.0	.0	.5	.0	.0	.1	.4	.0	.0	.5
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.8	.0	1.4
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.0	3.4	2.0	.0	.1	6.6	.0	2.2	9.9	5.0	1.0	.0	18.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.6	.0	.0	.0	.0	.6	.0	.2	.1	.0	.0	.0	.4	
1-2	.0	1.8	4.4	.0	.0	.0	6.2	.0	2.0	1.2	.0	.0	.0	3.2	
3-4	.0	.4	3.3	.4	.0	.0	4.1	.0	.6	3.0	.2	.0	.0	3.8	
5-6	.0	.5	1.3	1.2	.0	.0	3.0	.0	.5	2.2	.3	.0	.0	3.0	
7	.0	.0	1.2	.7	.0	.0	1.8	.0	.1	1.0	.8	.0	.0	1.9	
8-9	.0	.0	.2	.5	.0	.0	.8	.0	.0	.1	.1	.2	.0	.4	
10-11	.0	.1	.2	8.7	.5	.0	9.5	.0	.0	.1	.0	.1	.0	.3	
12	.0	.0	.1	1.0	.5	.0	1.6	.0	.0	.0	.2	.0	.0	.2	
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.1	.3	.5	.0	.9	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	3.4	10.6	13.1	1.3	.3	28.7	.0	3.4	7.8	2.0	.8	.0	14.0	98.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	2.4	.4	.0	.0	.0	5.5	
1-2	.4	6.5	10.2	.0	.0	.0	17.0	
3-4	.0	2.8	13.8	2.3	.0	.0	18.8	
5-6	.0	1.5	8.5	3.7	.0	.0	13.7	
7	.0	.3	4.0	3.7	.0	.1	8.1	
8-9	.0	.1	1.4	3.2	.6	.0	5.3	
10-11	.0	.1	2.4	14.0	.7	.0	17.2	
12	.0	.0	.2	1.4	.6	.0	2.2	
13-16	.0	.0	.2	6.3	3.3	.0	9.7	
17-19	.0	.0	.0	.4	.1	.0	.5	
20-22	.0	.0	.1	.5	.8	.3	1.6	
23-25	.0	.0	.0	.1	.3	.0	.3	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.0	13.6	41.2	35.3	6.3	.3	100.0	715

PERIOD: (OVER-ALL) 1951-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	6.1	9.0	8.2	3.8	3.4	1.8	.9	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	305	4
6-7	.0	.5	3.2	9.9	6.7	3.4	3.5	2.4	3.4	.2	.3	.1	.1	.0	.0	.0	.0	.0	.0	295	7
8-9	.0	.0	1.0	2.1	1.8	3.7	1.6	2.3	2.4	.4	.2	1.4	.0	.0	.0	.0	.0	.0	.0	164	9
10-11	.0	.1	.0	.0	.4	.2	.5	.5	.3	.0	1.4	.3	.2	.0	.0	.0	.0	.0	.0	35	13
12-13	.0	.0	.2	.2	1.1	.2	.0	.0	.0	.2	.2	.0	.7	.0	.0	.0	.0	.0	.0	19	11
>13	.0	.0	.0	.1	.1	.1	.0	.1	.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	11
INDET	.9	.2	.5	.9	2.3	.2	1.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	5
TOTAL PCT	1.3	6.9	13.9	21.5	16.2	11.1	8.8	6.2	7.5	1.7	2.2	1.8	1.0	.0	.0	.0	.0	.0	.0	904	7

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.1
55/56	.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	.1
53/54	1.2	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	41	.5
51/52	2.9	2.9	2.4	.0	.0	.0	.0	.0	.0	.0	.1	1.2	85	1.1
49/50	10.8	9.3	10.0	1.2	.0	.0	.0	.0	.0	.2	.6	2.1	295	3.8
47/48	24.8	26.5	22.3	15.0	2.1	.8	.0	.0	.0	.0	2.8	7.5	839	10.8
45/46	39.2	42.3	39.1	27.9	14.1	1.8	.3	.4	.2	1.4	10.8	24.9	1573	20.2
43/44	16.7	14.7	26.9	34.0	32.5	11.3	6.5	1.9	4.2	17.9	23.0	44.6	1628	20.9
41/42	1.9	7.8	4.4	19.0	35.2	42.8	33.8	17.4	27.7	40.1	46.1	17.0	1648	21.2
39/40	.4	.4	.4	1.2	9.9	35.4	43.6	52.5	57.4	39.5	15.4	2.1	1283	16.5
37/38	.0	.0	.4	.9	5.1	6.0	10.7	25.4	8.4	4.7	.6	.2	297	3.8
35/36	.0	.0	.1	.5	1.0	1.6	2.2	1.4	1.5	1.0	.1	.1	48	.6
33/34	.0	.0	.0	.3	.2	.3	1.5	.0	.7	.2	.1	.0	18	.2
31/32	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	.1	.0	8	.1
29/30	.0	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.0	4	.1
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	1052	789	800	585	526	381	582	425	455	511	777	892	7775	100.0
MEAN	46.4	46.2	45.7	44.1	42.3	40.7	39.9	39.3	39.9	40.8	42.2	44.0	42.6	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	998	996	998	996	997	998	999	997	998	969
FEB	1001	1001	1003	1001	1000	999	1000	1000	1001	760
MAR	1001	1000	1005	1000	1001	1000	1004	1000	1001	821
APR	1004	1005	1004	1004	1004	1004	1004	1003	1004	599
MAY	1004	1003	1006	1002	1003	1003	1006	1003	1003	599
JUN	999	1002	1007	1002	1002	1000	1001	998	1001	315
JUL	1004	1004	1001	1003	1004	1004	1006	1003	1004	530
AUG	1001	1000	1010	1002	1002	1001	1008	1003	1002	387
SEP	1007	1008	1009	1008	1006	1003	1008	1006	1006	407
OCT	1006	1006	1008	1005	1007	1004	1003	1008	1006	445
NOV	1003	1004	1003	1003	1004	1002	1005	1003	1003	902
DEC	1001	1001	998	1002	1000	1001	998	1001	1001	805
ANN	1002	1003	1004	1002	1003	1002	1004	1002	1002	7629
OBS	1314	981	265	1004	1292	1458	302	1013		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	973	978	984	992	997	1003	1012	1017	1021
FEB	973	975	983	993	1001	1007	1016	1022	1025
MAR	965	977	984	993	1001	1009	1019	1023	1028
APR	975	979	985	996	1005	1012	1021	1026	1031
MAY	971	975	985	995	1003	1011	1021	1027	1031
JUN	965	972	980	992	1001	1010	1021	1024	1025
JUL	973	977	985	996	1003	1012	1022	1027	1030
AUG	967	972	983	993	1001	1011	1023	1032	1035
SEP	974	976	982	997	1007	1016	1026	1031	1033
OCT	978	979	984	997	1007	1015	1024	1028	1031
NOV	972	981	987	996	1003	1010	1018	1022	1028
DEC	971	977	986	995	1001	1007	1015	1019	1021

JANUARY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976AREA 0019 SOUTH GEORGIA
54.1S 36.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	7.9	2.4	7.5	.0	.8	.0	.0	18.7	.0	.0	25.4	.0	.8	.0	55.2
NE	6.6	5.7	22.5	.0	5.7	.0	.0	40.6	.0	.0	10.7	.0	.8	.0	48.0
E	3.4	.0	11.2	.0	5.2	.0	.0	16.4	2.6	.0	15.5	3.4	.0	.0	62.1
SE	8.1	.0	12.3	.0	12.7	.0	.0	30.3	1.8	.0	15.5	.0	.0	.0	52.5
S	5.2	.0	9.2	.0	6.9	.0	.0	21.3	.0	.0	5.7	.0	.0	.0	73.0
SW	4.3	1.1	7.3	.0	4.6	.0	.0	17.3	2.4	.0	3.2	1.1	.0	.0	76.0
W	3.4	.6	2.5	.0	8.1	.0	.0	13.5	2.0	.0	10.4	.0	.0	.0	74.2
NW	3.3	2.1	5.4	.0	9.9	.0	.0	20.7	.8	.0	22.6	.0	.0	.0	55.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.4	.0	2.2	.0	4.3	.0	.0	12.0	.0	1.1	6.5	.0	.0	.0	80.4
TOT PCT	5.1	1.4	7.9	.0	6.8	.0	.0	20.5	1.1	.2	13.0	.3	.2	.0	64.8
TOT OBS	662														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	4.0	1.3	8.0	.0	7.3	.0	.0	18.7	.7	.0	10.0	.7	.0	.0	70.0
0600	5.8	2.4	7.8	.0	11.2	.0	.0	27.2	1.5	.5	11.7	.0	.5	.0	58.7
1200	8.0	.6	7.4	.0	6.1	.0	.0	21.5	1.8	.0	13.5	.6	.0	.0	62.6
1800	5.5	.5	6.4	.0	8.2	.0	.0	20.5	.0	.0	13.2	.0	.0	.0	66.2
TOT PCT TOT OBS	5.8 738	1.2	7.3	.0	8.4	.0	.0	22.2	.9	.1	12.2	.3	.1	.0	64.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.3	3.7	4.0	.8	.0	.0		8.9	13.0	11.2	5.6	9.5	5.3	12.5	6.2	9.3	9.0	
NE	.1	4.2	3.8	.6	.0	.0		8.7	12.0	10.9	4.8	8.8	2.0	10.6	5.6	12.6	8.3	
E	.4	3.3	1.0	.1	.0	.0		4.8	8.4	5.6	4.8	3.1	5.3	8.3	5.6	4.0	2.8	
SE	.6	6.0	3.5	.6	.0	.0		10.6	10.8	13.6	13.7	10.3	6.7	7.5	9.9	11.8	11.1	
S	.1	3.9	2.1	1.0	.0	.0		7.0	11.6	3.2	2.4	8.8	4.7	8.6	7.4	8.7	9.0	
SW	.5	5.8	7.2	1.6	.0	.1		15.2	13.3	27.4	11.3	15.1	11.3	15.8	13.0	13.7	12.5	
W	.8	6.3	5.8	1.3	.3	.0		14.5	12.2	9.0	17.7	10.9	15.3	17.2	13.6	17.2	16.0	
NW	.4	8.1	7.3	2.3	.0	.1		18.2	13.1	10.6	20.2	16.0	30.7	13.9	25.3	17.1	17.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.0							12.0	.0	8.5	19.4	17.6	18.7	5.6	13.6	5.6	13.9	
TOT OBS	116	316	266	64	2	2	766		10.8	94	62	131	75	90	81	161	72	
TOT PCT	15.1	41.3	34.7	8.4	.3	.3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	1.4	5.0	1.9	.6	.0		8.9	13.0	9.0	8.0	9.5	9.2	
NE	1.9	4.2	2.4	.1	.0		8.7	12.0	8.5	6.3	8.2	11.3	
E	2.1	2.4	.3	.0	.0		4.8	8.4	5.3	3.9	7.0	3.6	
SE	2.6	6.0	1.9	.1	.0		10.6	10.8	13.6	9.0	8.6	11.6	
S	1.7	4.0	1.2	.1	.0		7.0	11.6	2.9	7.3	8.0	8.8	
SW	2.7	8.0	4.0	.4	.1		15.2	13.3	21.0	13.7	14.5	13.3	
W	3.4	7.6	3.0	.5	.0		14.5	12.2	12.5	12.5	13.5	16.8	
NW	3.1	10.6	3.0	1.3	.1		18.2	13.1	14.4	21.4	19.3	17.2	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	12.0						12.0	.0	12.8	18.0	9.4	8.2	
TOT OBS	236	367	137	24	2	766		10.8	156	206	171	233	
TOT PCT	30.8	47.9	17.9	3.1	.3		100.0		100.0	100.0	100.0	100.0	

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	12.8	3.2	40.4	35.9	7.1	.6	.0	10.5	100.0	156
06009	18.0	2.9	33.0	36.4	9.2	.5	.0	10.7	100.0	206
12015	9.4	3.5	42.1	32.7	11.1	.0	1.2	11.5	100.0	171
18021	8.2	2.0	48.5	33.9	6.4	.0	.0	10.4	100.0	233
TOT	92	24	316	266	64	2	2	10.8		766
PCT	12.0	3.1	41.3	34.7	8.4	.3	.3		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-8	TOTAL DBSCD	TOTAL DBS	MEAN CLOUD COVER
N	.4	.4	4.6	4.0		7.0	7.0
NE	.0	.8	3.5	7.1		7.0	7.0
E	.0	.3	1.2	3.2		7.5	7.5
SE	.0	.7	2.4	7.1		7.2	7.2
S	.0	.3	3.4	5.5		7.1	7.1
SW	.0	3.6	6.0	9.2		6.5	6.5
W	.5	1.2	3.9	7.8		6.8	6.8
NW	1.3	.1	4.4	5.4		6.6	6.6
VAR	.0	.0	.0	.0		.0	.0
CALM	.4	1.8	1.8	4.0		6.2	6.2
TOT DBS	7	25	85	156		273	6.8
TOT PCT	2.6	9.2	31.1	57.1		100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL DBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	2.8	.0	.0	1.3	4.6	2.6	.4	.4	.0	.0	1.3	
NE	3.3	.0	.0	1.1	3.8	1.4	.0	.4	.0	.0	1.4	
E	.3	.0	.0	.4	2.8	.6	.0	.0	.0	.0	.5	
SE	.5	.0	.0	2.7	2.7	3.5	.0	.0	.0	.0	.8	
S	.0	.0	.0	1.4	4.8	1.6	.7	.0	.0	.0	.6	
SW	.7	.0	.4	.5	10.8	1.6	.5	.0	.0	.0	4.1	
W	1.1	.0	.2	1.7	4.4	2.7	.2	.0	.0	.4	2.8	
NW	1.9	.0	.2	1.3	3.8	.6	.4	.0	.0	.0	2.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.0	.4	.7	2.6	1.1	.4	.0	.0	.0	2.2	
TOT DBS	31	0	3	30	110	43	7	3	0	1	45	273
TOT PCT	11.4	.0	1.1	11.0	40.3	15.8	2.6	1.1	.0	.4	16.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.4	.4	.4	.4	.4	.4	.4	.4
>5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>3500	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0
>2000	16.2	18.3	19.8	19.8	19.8	19.8	19.8	19.8
>1000	33.3	50.4	57.2	58.3	59.4	59.7	59.7	59.7
>600	35.6	52.9	65.1	66.9	69.8	70.5	70.5	70.5
>300	36.0	53.6	65.8	68.0	70.9	71.6	71.6	71.6
>150	36.0	53.6	65.8	68.0	70.9	71.6	71.6	71.6
>0	36.0	54.7	68.0	71.6	76.6	79.5	82.7	83.1
TOTAL	100	152	189	199	213	221	230	231

TOTAL NUMBER OF OBS: 278

PCT FREQ NH <5/8: 16.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 DBSCD	TOTAL DBS
2.1	1.1	2.1	6.4	5.0	6.8	9.6	11.7	43.8	281

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	.0	.0	.2	.1	.0	.2	.6	.0	.0	1.1	
	NO PCP	1.6	.8	.0	.3	.0	.3	.9	2.0	.0	.2	6.2	
	TOT %	1.7	.8	.0	.6	.1	.3	1.1	2.6	.0	.2	7.3	
1/2<1	PCP	.0	1.4	.0	1.2	.2	.0	.4	.4	.0	.2	3.8	
	NO PCP	.2	.0	.2	.1	.2	.0	.2	.7	.0	.2	1.7	
	TOT %	.2	1.4	.2	1.3	.5	.0	.6	1.1	.0	.3	5.5	
1<2	PCP	.0	.8	.1	.1	.3	.2	.1	.0	.0	.2	1.7	
	NO PCP	.0	.0	.2	.6	.0	.1	.4	.4	.0	.6	2.4	
	TOT %	.0	.8	.3	.6	.3	.3	.6	.4	.0	.8	4.1	
2<5	PCP	.6	.3	.4	1.1	.7	.5	.1	.3	.0	.8	4.7	
	NO PCP	.7	.1	.0	.4	.6	.6	.9	.7	.0	.8	4.6	
	TOT %	1.2	.4	.4	1.5	1.2	1.0	.9	1.0	.0	1.6	9.3	
5<10	PCP	.6	.9	.2	.5	.3	1.7	1.5	2.1	.0	.5	8.2	
	NO PCP	1.4	2.3	2.0	3.3	2.8	5.0	6.0	6.4	.0	7.4	36.7	
	TOT %	2.0	3.2	2.3	3.8	3.2	6.7	7.5	8.5	.0	7.9	44.9	
10+	PCP	.4	.0	.0	.0	.0	.2	.0	.2	.0	.2	.9	
	NO PCP	3.7	2.3	1.1	2.2	1.8	6.2	3.3	3.8	.0	3.6	28.0	
	TOT %	4.1	2.3	1.1	2.2	1.8	6.4	3.3	4.0	.0	3.8	28.9	
TOT OBS													
TOT PCT													
		9.1	8.8	4.3	10.0	7.0	14.7	14.0	17.6	.0	14.5	100.0	633

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.2	.1	.0	.0	.0	.0	.0	.3	.0	.1	.7	
	4-10	.8	.5	.1	.4	.1	.3	.3	1.2	.0		3.7	
	11-21	.5	.1	.0	.3	.0	.1	.9	.7	.0		2.7	
	22+	.1	.0	.0	.0	.0	.0	.0	.4	.0		.4	
	TOT %	1.6	.7	.1	.7	.1	.4	1.2	2.6	.0	.1	7.6	
1/2<1	0-3	.0	.0	.0	.1	.0	.0	.4	.0	.0	.3	.9	
	4-10	.0	.7	.1	.5	.4	.0	.1	.6	.0		2.3	
	11-21	.1	.3	.0	.2	.1	.0	.0	.1	.0		.9	
	22+	.0	.3	.0	.3	.0	.0	.0	.3	.0		.9	
	TOT %	.1	1.3	.1	1.2	.4	.0	.6	1.0	.0	.3	5.2	
1<2	0-3	.0	.0	.0	.3	.0	*	.1	.0	.0	.7	1.2	
	4-10	.0	.1	.3	.1	.1	.0	.0	.1	.0		.9	
	11-21	.0	.4	.0	.1	.0	.2	.4	.3	.0		1.3	
	22+	.0	.1	.0	.0	.1	.0	.0	.0	.0		.3	
	TOT %	.0	.7	.3	.6	.3	.3	.5	.4	.0	.7	3.9	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	
	4-10	.5	.1	.3	.5	.5	.1	.1	.1	.0		2.4	
	11-21	.5	.2	.1	.7	.1	1.2	.8	.9	.0		4.5	
	22+	.3	.0	.0	.2	.6	*	.2	.4	.0		1.6	
	TOT %	1.3	.4	.4	1.4	1.1	1.4	1.0	1.4	.0	1.5	9.9	
5<10	0-3	.1	.0	.1	.1	.1	.3	.1	.0	.0	7.4	8.3	
	4-10	.4	1.8	1.5	2.3	1.6	2.7	3.3	3.9	.0		17.5	
	11-21	1.3	1.1	.6	1.4	1.5	2.9	2.4	3.2	.0		14.5	
	22+	.1	.1	.1	.1	.4	1.2	1.2	1.2	.0		4.5	
	TOT %	1.9	3.1	2.4	3.9	3.6	7.2	7.2	8.3	.0	7.4	44.8	
10+	0-3	.0	*	.3	.1	.0	*	.2	*	.0	3.6	4.3	
	4-10	2.1	1.2	1.0	1.3	1.3	2.5	2.3	2.3	.0		13.9	
	11-21	1.4	.9	.1	.6	.6	3.1	.9	1.2	.0		8.8	
	22+	.3	.0	.0	.1	.0	.7	.1	.3	.0		1.6	
	TOT %	3.8	2.2	1.3	2.2	1.9	6.3	3.4	3.9	.0	3.6	28.6	
TOT OBS													
TOT PCT													
		8.7	8.5	4.7	9.9	7.4	15.6	13.9	17.5	.0	13.6	100.0	674

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	15.1	.0	2.7	8.2	39.7	12.3	4.1	.0	.0	.0	82.2	17.8	73
06009	14.8	.0	.0	14.8	47.5	11.5	1.6	.0	.0	.0	90.2	9.8	61
12015	10.8	.0	1.4	9.5	36.5	18.9	2.7	1.4	.0	1.4	82.4	17.6	74
18021	7.0	.0	.0	11.3	36.6	19.7	1.4	2.8	.0	.0	78.9	21.1	71
TOT	33	0	3	30	111	44	7	3	0	1	232	47	279
PCT	11.8	.0	1.1	10.8	39.8	15.8	2.5	1.1	.0	.4	83.2	16.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	7.6	3.2	6.4	3.9	45.9	28.0	157
06009	6.3	6.8	7.4	9.7	55.3	19.4	206
12015	7.5	7.5	5.0	8.7	37.9	33.5	161
18021	6.7	4.9	1.8	8.9	52.4	25.3	223
TOT	52	42	27	68	365	195	749
PCT	6.9	5.6	3.6	9.1	48.7	26.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	13.9	18.1	30.6	51.4	18.1	72
06009	14.8	19.7	44.3	45.9	9.8	61
12015	10.8	17.6	36.5	48.6	14.9	74
18021	7.0	11.3	25.4	54.9	19.7	71
TOT	32	46	94	140	44	278
PCT	11.5	16.5	33.8	50.4	15.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
55/59	.0	.0	.2	.0	.0	.2	.0	.6	5	1.0
50/54	.0	.0	.0	.4	.4	.0	1.0	.0	9	1.9
45/49	.0	.0	.0	.0	.8	.8	1.3	.6	17	3.6
40/44	.0	.0	.0	.6	2.3	1.7	4.4	8.4	83	17.4
35/39	.0	.0	.0	.8	2.9	11.1	18.2	37.2	336	70.3
30/34	.0	.0	.0	.0	.2	1.7	1.7	2.3	28	5.9
TOTAL	0	0	1	9	32	74	127	235	478	100.0
PCT	.0	.0	.2	1.9	6.7	15.5	26.6	49.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.2	.0	.2	.0	.6
.0	.0	.2	.3	.3	1.0	.0	.0	.0	.0
.4	.4	.0	.2	.0	.9	.7	.4	.0	.4
1.4	2.7	.4	.6	.6	2.3	2.6	4.3	.0	2.5
7.7	7.3	3.9	8.8	5.3	6.7	11.6	11.2	.0	7.7
.0	.2	.2	.7	1.3	1.5	1.0	.5	.0	.4
9.5	10.6	4.8	10.7	7.5	12.7	16.0	16.6	.0	11.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	54	51	42	38	33	31	30	37.7	183
06009	56	53	49	37	33	29	28	37.8	244
12015	58	56	47	38	35	33	33	39.1	203
18021	59	54	49	38	34	33	31	39.0	274
TOT	59	54	48	38	33	31	28	38.4	904

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.6	10.0	9.1	25.5	51.8	86	110
06009	.0	.7	9.3	14.6	25.2	50.3	86	151
12015	.0	3.5	4.4	21.9	23.7	46.5	85	114
18021	.0	2.9	7.6	16.4	28.7	44.4	85	171
TOT	0	14	43	85	142	262	85	546

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	W0 FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
11/13	.0	.0	.0	.0	.0	.2	.2	.0	.0	2	.0	.4
9/10	.0	.0	.0	.0	.4	1.6	.0	.0	.0	9	.2	1.8
7/8	.0	.0	.0	.2	2.0	.4	.0	.0	.0	12	.2	2.4
6	.0	.0	.0	.4	2.0	.7	.0	.0	.0	14	.4	2.7
5	.0	.0	.0	.7	.9	.0	.0	.0	.0	7	.4	1.1
4	.0	.0	.0	1.8	.7	.0	.0	.0	.0	11	.4	2.0
3	.0	.0	.2	8.2	2.2	.0	.0	.0	.0	48	2.7	8.4
2	.0	.0	2.4	11.3	.9	.0	.0	.0	.0	66	2.0	12.6
1	.0	.0	4.7	12.9	1.3	.0	.0	.0	.0	85	3.4	15.5
0	.0	.0	8.2	10.2	.2	.0	.0	.0	.0	84	1.6	17.1
-1	.0	.0	5.5	6.2	.0	.0	.0	.0	.0	53	1.1	10.6
-2	.0	.2	2.7	2.2	.0	.0	.0	.0	.0	23	1.6	3.5
-3	.0	1.1	2.9	1.1	.0	.0	.0	.0	.0	23	.0	5.1
-4	.0	.2	.4	.7	.0	.0	.0	.0	.0	6	.0	1.3
-5	.0	.0	.7	.0	.0	.0	.0	.0	.0	3	.2	.4
-6	.2	.0	.4	.0	.0	.0	.0	.0	.0	3	.0	.7
-11/-13	.0	.2	.0	.0	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	1	8	127	48	13	1	0	1	1	451	62	389
PCT	.2	1.8	28.2	55.9	10.6	2.9	.2	.0	.2	100.0	13.7	86.3

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.6
1-2	.0	1.5	.3	.0	.0	.0	1.9	.0	2.8	.9	.0	.0	.0	3.7
3-4	.0	2.5	.9	.0	.0	.0	3.4	.0	1.4	.9	.0	.0	.0	2.3
5-6	.0	1.7	2.5	.0	.0	.0	4.2	.0	1.4	2.3	.0	.0	.0	3.8
7	.0	.0	2.9	.0	.0	.0	2.9	.0	1.0	.7	.0	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.8	6.6	1.3	.0	.0	13.7	.1	7.1	4.8	.0	.0	.0	11.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.4	.0	.0	.0	.0	.8	.0	.9	.0	.0	.0	.0	.9
1-2	.0	.4	.0	.0	.0	.0	.4	.0	1.4	.4	.0	.0	.0	1.9
3-4	.0	.4	.3	.0	.0	.0	.8	.0	1.9	.6	.0	.0	.0	2.4
5-6	.0	.9	.3	.0	.0	.0	1.2	.0	.9	.9	.0	.0	.0	1.8
7	.0	.8	.0	.0	.0	.0	.8	.4	.0	.9	.0	.0	.0	1.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.4	.0	.0	1.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.0	.7	.0	.0	.0	4.0	.4	5.1	4.1	1.4	.0	.0	11.1

PERIOD: (OVER-ALL) 1963-1976

JANUARY

AREA 0019 SOUTH GEORGIA
54.15 36.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.9	.0	.0	.0	.0	.9	.6	.4	.0	.0	.0	.0	1.0
1-2	.0	1.2	.0	.0	.0	.0	1.2	.0	.6	1.4	.0	.0	.0	2.0
3-4	.0	3.1	.4	.0	.0	.0	3.5	.0	2.8	1.0	.0	.0	.0	3.8
5-6	.0	.4	.0	.0	.0	.0	.4	.0	.6	3.1	.0	.0	.0	3.7
7	.0	.4	.0	.3	.0	.0	.8	.0	.9	3.2	.1	.0	.0	4.2
8-9	.0	.0	.0	.3	.0	.0	.3	.0	.0	.9	1.9	.0	.0	2.8
10-11	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
13-16	.0	.0	.0	.9	.0	.0	.9	.0	.0	.4	.9	.0	.4	1.8
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.1	.8	1.3	.0	.0	8.4	.6	5.2	10.6	3.0	.0	.4	19.8

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	1.2	.0	.0	.0	.0	.0	1.2	.0	.4	.0	.0	.0	.0	.4	
1-2	.3	2.4	1.2	.0	.0	.0	4.0	.1	1.5	.6	.0	.0	.0	2.2	
3-4	.0	1.5	.8	.0	.0	.0	2.3	.0	.9	.9	.0	.0	.0	1.8	
5-6	.0	.3	.3	.0	.0	.0	.7	.0	.0	1.1	.0	.0	.0	1.1	
7	.0	.0	.8	.0	.0	.0	.8	.0	.4	1.8	.0	.0	.4	2.7	
8-9	.0	.0	.0	.3	.0	.0	.3	.0	.0	.9	.0	.0	.0	.9	
10-11	.0	.0	.0	1.1	.0	.0	1.1	.0	.4	.4	.6	.0	.0	1.4	
12	.0	.0	.0	.4	.0	.0	.4	.0	.0	.4	.4	.0	.0	.9	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	4.3	3.1	1.9	.0	.0	10.8	.1	4.2	6.1	1.0	.0	.4	11.8	91.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.6	3.5	.0	.0	.0	.0	14.2	
1-2	.4	11.9	4.9	.0	.0	.0	17.3	
3-4	.0	14.6	3.8	.0	.0	.0	20.4	
5-6	.0	6.2	10.6	.0	.0	.0	16.8	
7	.4	3.5	10.2	.4	.0	.4	15.0	
8-9	.0	.0	1.8	3.1	.0	.0	4.9	
10-11	.0	.4	2.2	3.5	.0	.0	6.2	
12	.0	.0	.9	.9	.0	.0	1.8	
13-16	.0	.0	.4	2.2	.0	.4	3.1	
17-19	.0	.4	.0	.0	.0	.0	.4	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.5	40.7	36.7	10.2	.0	.9	100.0	226

PERIOD: (OVER-ALL) 1950-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.2	5.2	8.0	7.6	10.0	.8	1.6	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.93	5
6-7	.0	5.6	6.8	8.4	5.6	5.2	4.8	1.2	4.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	106	7
7-9	.0	.8	.8	.8	2.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
10-11	.0	.0	.0	.0	.4	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	3	14
INDET	4.0	2.4	2.0	2.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	3
TOTAL	18	35	44	49	50	17	16	4	10	3	0	2	1	0	0	0	0	0	0	249	6
PCT	7.2	14.1	17.7	19.7	20.1	6.8	6.4	1.6	4.0	1.2	.0	.8	.4	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

TABLE 1

AREA 0019 SOUTH GEORGIA
34.25 36.24

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNO DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	16.0	3.6	4.4	.0	1.8	.0	.0	25.8	1.3	.0	32.4	1.3	2.7	.0	36.4
NE	20.8	3.6	13.1	.0	8.3	.0	.0	42.3	.0	.0	20.8	.0	.0	.0	36.3
E	17.3	6.1	7.1	.0	6.1	.0	2.0	36.7	.0	.0	22.4	.0	.0	.0	40.8
SE	1.9	.0	1.9	.0	15.4	.0	3.8	23.1	.0	.0	19.2	.0	.0	.0	57.7
S	7.4	6.6	3.3	.0	13.1	.0	.0	24.6	3.3	.0	1.6	.0	.0	.0	70.5
SW	5.7	7.2	1.6	.0	12.9	.0	1.0	24.5	.0	.0	5.2	.0	.9	.0	69.8
W	4.1	5.3	2.4	.0	5.5	.0	.0	16.7	3.3	.0	10.7	.0	3.8	.7	64.9
NW	12.6	3.6	3.4	.0	7.7	.0	.0	26.5	1.4	.0	17.2	.6	3.1	.0	51.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	29.2	.0	.0	.0	.0	.0	.0	29.2	.0	.0	12.5	.0	.0	.0	58.3
TOT PCT	10.7	4.6	3.6	.0	7.6	.0	.3	25.2	1.5	.0	14.7	.3	2.1	.2	56.0
TOT OBS:	607														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	8.5	4.3	5.0	.0	5.7	.0	.0	22.7	2.1	.0	18.4	.0	1.4	.0	55.3
06009	14.5	4.2	1.8	.0	9.7	.0	.6	29.1	1.8	.0	13.3	.6	2.4	.6	52.1
12015	11.2	3.9	3.3	.0	5.9	.0	.7	24.3	1.3	.0	13.0	.0	2.6	.0	57.9
18021	10.8	7.2	4.1	.0	6.7	.0	.0	26.2	.5	.0	16.4	.5	2.1	.0	54.4
TOT PCT TOT OBS:	11.3 653	5.1	3.5	.0	7.0	.0	.3	25.7	1.4	.0	15.5	.3	2.1	.2	54.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)					48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	.5	4.4	2.0	1.6	.5	.0		8.9	14.2	5.1	12.7	8.9	4.8	6.6	10.4	11.2	12.3
NE	.5	3.0	2.0	.8	.1	.1		6.5	13.0	5.3	3.9	5.5	8.7	9.3	9.0	5.0	5.3
E	.4	2.7	.9	.7	.1	.1		4.8	11.3	5.8	2.9	.4	5.8	7.7	3.0	6.3	6.1
SE	.3	1.1	1.3	.1	.0	.0		2.8	10.3	.5	.0	.8	4.8	2.1	8.2	4.3	2.6
S	.4	2.4	1.5	1.3	.0	.0		5.5	13.2	8.1	2.9	7.2	2.9	5.1	5.2	5.8	2.6
SW	.2	2.2	7.0	4.7	1.5	.0		15.7	20.3	17.7	18.6	16.1	11.5	17.0	12.7	18.0	7.9
W	.3	3.3	9.6	8.8	1.9	.1		24.1	19.0	30.6	21.6	30.1	20.2	23.1	13.4	21.7	26.3
NW	.1	7.0	11.7	7.9	1.3	.0		28.2	17.9	29.0	23.3	26.7	31.7	25.8	35.1	24.8	23.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.5							3.5	.0	2.0	3.9	4.2	9.6	3.2	3.0	2.0	3.5
TOT OBS	43	194	248	164	37	2	688		16.5	99	51	118	52	94	67	150	57
TOT PCT	6.3	28.2	36.0	23.8	5.4	.3		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	2.0	4.0	2.0	.9	.1		8.9	14.2	7.7	7.6	8.2	11.5	
NE	1.9	2.7	1.5	.4	.1		6.5	13.0	4.8	6.5	9.2	5.7	
E	2.3	1.6	.5	.4	.1		4.8	11.3	4.8	2.1	5.7	6.3	
SE	.9	1.6	.3	.1	.0		2.8	10.3	.3	2.1	4.7	3.9	
S	2.0	1.6	1.2	.7	.0		5.5	13.2	6.3	5.9	5.1	5.0	
SW	1.4	4.3	6.1	3.2	.7		15.7	20.3	18.0	14.7	15.2	15.2	
W	2.7	6.8	9.8	4.2	.6		24.1	19.0	27.5	27.1	19.1	22.9	
NW	2.2	10.4	11.5	3.9	.2		28.2	17.9	27.8	28.2	29.7	27.2	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	3.5						3.5	.0	2.7	5.9	3.1	2.4	
TOT OBS	129	226	227	94	12	688		16.5	150	170	161	207	
TOT PCT	18.6	32.8	33.0	13.7	1.7		100.0		100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976AREA 0019 SOUTH GEORGIA
34.23 36.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	2.7	4.0	22.0	41.3	24.0	6.0	.0	16.9	100.0	150
0600	5.9	3.5	32.4	30.6	21.8	5.3	.6	15.4	100.0	170
1200	3.1	1.2	28.6	39.1	23.6	3.7	.6	16.7	100.0	161
1800	2.4	2.4	29.0	34.3	25.6	6.3	.0	16.9	100.0	207
TOT	24	19	194	248	164	37	2	16.5		688
PCT	3.5	2.8	28.2	36.0	23.8	5.4	.3	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.2	1.1	6.3		7.7
NE	.5	.4	.8	4.9		7.0
E	.3	.0	1.7	2.7		7.1
SE	.0	.0	.4	2.0		7.8
S	1.0	.6	1.6	2.8		6.1
SW	2.4	2.7	6.4	6.2		5.8
W	2.8	2.9	7.3	14.7		6.3
NW	1.8	2.4	5.5	14.9		6.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.7	.0	1.8		6.7
TOT OBS	24	27	68	154	273	6.5
TOT PCT	8.8	9.9	24.9	56.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH > 4/8)
AND OCCURRENCE OF NH < 5/8 BY WIND DIRECTION

WIND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3999	3500 6499	5000 7999	6500 8499	8000+ ANY HGT	NH < 5/8 ANY HGT	TOTAL OBS
N	2.8	.0	.4	.6	2.1	1.3	.0	.0	.0	.2	.2	
NE	1.7	.0	.0	1.0	1.6	1.3	.0	.0	.0	.0	.8	
E	.3	.3	.0	.8	1.4	1.4	.0	.0	.0	.0	.6	
SE	.8	.1	.0	.0	.4	.7	.4	.0	.0	.0	.0	
S	.3	.0	.0	.6	1.4	1.6	.0	.0	.0	.0	2.2	
SW	1.3	.0	.4	1.0	5.6	3.0	.0	.0	.0	.4	6.0	
W	4.3	.0	.0	3.2	7.1	4.4	1.0	.4	.0	.0	7.4	
NW	3.8	.0	.7	2.9	6.9	2.7	.1	.0	.0	.9	6.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7	.0	.0	.0	.4	.7	.0	.0	.0	.0	.7	
TOT OBS	44	1	4	28	73	47	4	1	0	4	67	273
TOT PCT	16.1	.4	1.5	10.3	26.7	17.2	1.5	.4	.0	1.5	24.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH > 4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR > 6500	.7	1.1	1.1	1.1	1.1	1.5	1.5	1.5
OR > 5000	.7	1.5	1.5	1.5	1.5	1.8	1.8	1.8
OR > 3500	1.8	2.6	2.9	2.9	2.9	3.3	3.3	3.3
OR > 2000	10.3	18.8	19.5	19.9	19.9	20.2	20.2	20.2
OR > 1000	19.1	39.3	44.9	46.3	46.7	47.1	47.1	47.1
OR > 600	20.2	46.0	54.8	56.3	57.0	57.4	57.4	57.4
OR > 300	20.2	46.7	55.9	57.7	58.5	58.8	58.8	58.8
OR > 150	20.2	46.7	55.9	57.7	58.8	59.2	59.2	59.2
OR > 0	20.6	47.8	60.7	64.0	66.2	68.8	74.3	74.3
TOTAL	56	130	165	174	180	187	202	202

TOTAL NUMBER OF OBS: 272

PCT FREQ NH < 5/8: 25.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.7	3.7	5.4	6.4	5.4	4.4	8.4	10.8	37.0	14.8	297

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

FEBRUARY

AREA 0019 SOUTH GEORGIA
34.2S 36.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	PCP	.2	.2	.0	.4	.3	.2	.4	2.1	.0	.4	4.0	
	NO PCP	1.3	.6	.4	.4	.1	.2	1.3	1.6	.0	.5	6.8	
	TOT %	1.4	.8	.4	.7	.4	.4	1.6	3.6	.0	.9	10.8	
1/2<1	PCP	.2	.0	.3	*	.0	.5	.4	1.1	.0	.5	3.1	
	NO PCP	.7	.2	.2	.0	.0	.3	.7	1.0	.0	.0	3.1	
	TOT %	.9	.2	.5	*	.0	.8	1.0	2.1	.0	.5	6.1	
1<2	PCP	.6	.5	.4	.1	.0	*	.6	.8	.0	.0	3.1	
	NO PCP	.4	.3	.1	.2	.1	.3	1.6	.9	.0	.0	3.8	
	TOT %	1.0	.8	.4	.3	.1	.4	2.2	1.7	.0	.0	6.8	
2<5	PCP	.7	1.4	.4	*	.1	.9	.9	1.7	.0	.0	6.1	
	NO PCP	.8	.4	.0	.0	.0	1.3	3.6	2.6	.0	.0	8.6	
	TOT %	1.4	1.8	.4	*	.1	2.2	4.5	4.3	.0	.0	14.7	
5<10	PCP	.3	.2	.4	.0	.9	1.8	1.7	1.7	.0	.4	7.2	
	NO PCP	2.8	1.1	.9	.5	1.2	4.6	8.1	10.7	.0	1.8	31.8	
	TOT %	3.1	1.3	1.3	.5	2.1	6.3	9.8	12.4	.0	2.2	39.0	
10+	PCP	.0	.0	.0	.0	.0	.2	.0	.2	.0	.0	.4	
	NO PCP	.9	1.3	.9	.6	2.7	5.8	5.6	4.1	.0	.7	22.7	
	TOT %	.9	1.3	.9	.6	2.7	6.0	5.6	4.3	.0	.7	23.0	
TOT DBS													556
TOT PCT		8.9	6.1	4.0	2.2	5.3	16.1	24.7	28.5	.0	4.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	0-3	.0	.2	.2	.2	.0	.0	.0	.0	.0	.9	1.4	
	4-10	.8	.1	.2	.2	.0	.0	.8	1.2	.0	.0	3.3	
	11-21	.0	.3	.1	.4	.2	.3	.4	1.3	.0	.0	2.8	
	22+	.6	.2	.0	.0	.2	.1	.4	1.0	.0	.0	2.5	
	TOT %	1.4	.7	.4	.7	.4	.4	1.6	3.6	.0	.9	10.0	
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.5		
	4-10	.7	.0	.3	*	.0	.0	.3	.2	.0	.0		
	11-21	.0	.2	.0	.0	.0	.5	.4	1.1	.0	.0		
	22+	.0	.0	.2	.0	.0	.4	.4	.7	.0	.0		
	TOT %	.9	.2	.5	*	.0	.9	1.1	2.1	.0	.5	6.1	
1<2	0-3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	.3	.3	.0	.2	.0	.2	.6	.3	.0	.0	1.8	
	11-21	.4	.1	.0	.0	.0	.4	.3	.6	.0	.0	1.8	
	22+	.1	.2	.4	.1	.1	.2	1.2	.8	.0	.0	3.2	
	TOT %	1.0	.8	.4	.3	.1	.7	2.1	1.7	.0	.0	7.2	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	
	4-10	.2	.5	.0	.0	.1	.7	.8	.3	.0	.0	2.6	
	11-21	.4	.8	.1	*	.0	.6	1.5	1.6	.0	.0	5.3	
	22+	.8	.4	.3	.0	.0	.8	2.1	1.9	.0	.0	6.3	
	TOT %	1.4	1.8	.4	*	.1	2.1	4.3	4.2	.0	.0	14.4	
5<10	0-3	.0	.0	.0	.0	.1	*	.2	.0	.0	2.1	2.5	
	4-10	1.6	.9	1.1	.4	.8	.2	1.9	3.2	.0	.0	10.2	
	11-21	1.1	.3	.2	.4	.6	2.5	3.6	5.2	.0	.0	13.9	
	22+	.5	.1	.1	.0	.5	3.5	3.9	3.7	.0	.0	12.3	
	TOT %	3.2	1.3	1.4	.9	2.0	6.2	9.6	12.1	.0	2.1	38.8	
10+	0-3	.0	.0	.0	.0	.2	.0	.2	.0	.0	.7	1.1	
	4-10	.7	1.0	1.0	.4	1.3	1.1	.8	1.4	.0	.0	7.5	
	11-21	.3	.3	.3	.6	.9	3.1	3.2	1.9	.0	.0	10.5	
	22+	.0	.0	.0	.0	.7	1.7	1.2	1.0	.0	.0	4.6	
	TOT %	.9	1.3	1.2	1.0	3.1	5.8	5.4	4.2	.0	.7	23.7	
TOT DBS													570
TOT PCT		8.7	6.1	4.4	2.9	5.7	16.1	24.2	27.8	.0	4.2	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976AREA 0019 SOUTH GEORGIA
54.25 36.24

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL 70.3	NH <5/8 ANY HGT	TOTAL OBS
00003	21.9	.0	3.1	6.3	28.1	9.4	1.6	.0	.0	.0	70.3	29.7	64
06009	19.3	.0	.0	12.3	26.3	12.3	.0	.0	.0	.0	70.2	29.8	57
12015	7.6	.0	1.3	11.4	25.3	22.8	2.5	.0	.0	3.8	74.7	25.3	79
18021	17.3	1.2	1.2	9.9	25.5	19.8	1.2	1.2	.0	1.2	79.0	21.0	81
TOT	45	1	4	28	74	47	4	1	0	4	208	73	281
PCT	16.0	.4	1.4	10.0	26.3	16.7	1.4	.4	.0	1.4	74.0	26.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	13.9	5.8	6.6	13.9	34.3	25.5	137
06009	11.9	4.4	9.4	13.8	45.0	15.6	160
12015	5.7	6.4	4.3	10.6	40.4	32.6	141
18021	9.0	7.9	7.9	15.3	36.2	23.7	177
TOT	62	38	44	83	240	148	615
PCT	10.1	6.2	7.2	13.5	39.0	24.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND+5	NH <5/8 AND 5+	TOTAL OBS
00003	21.0	24.2	40.3	32.3	27.4	62
06009	16.4	18.2	40.0	34.5	25.5	55
12015	7.6	11.4	27.8	46.8	25.3	79
18021	17.1	19.7	39.5	40.8	19.7	76
TOT	41	49	99	107	66	272
PCT	15.1	18.0	36.4	39.3	24.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.3	.0	.0	.0	.0	.0	1	.3
55/59	.0	.0	.0	.3	.3	.6	.0	.0	4	1.1
50/54	.0	.0	.0	.0	.3	.9	.9	1.7	13	3.7
45/49	.0	.0	.3	.6	1.4	1.1	2.6	.3	22	6.3
40/44	.0	.0	.0	.3	1.4	3.4	6.3	10.2	76	21.6
35/39	.0	.0	.0	.0	.9	4.0	11.9	44.0	214	60.8
30/34	.0	.0	.0	.0	.0	1.1	2.0	2.6	20	5.7
25/29	.0	.0	.0	.0	.0	.0	.3	.3	2	.6
TOTAL	0	0	2	4	15	39	84	208	352	100.0
PCT	.0	.0	.6	1.1	4.3	11.1	23.9	59.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.3	.0	.0
.0	.0	.0	.0	.0	.0	.3	.9	.0	.0
.0	.0	.0	.0	.1	.4	1.1	2.0	.0	.0
.7	.0	.0	.1	.4	.0	.6	3.8	.0	.6
1.3	2.5	.4	.9	.9	1.4	3.9	8.5	.0	2.0
5.1	3.4	2.7	1.6	3.6	12.3	15.8	15.5	.0	.9
.3	.3	.3	.3	.5	.8	.6	2.7	.0	.0
.0	.0	.0	.0	.0	.0	.0	.3	.0	.3
7.4	6.2	3.3	2.8	5.5	14.9	22.3	33.9	.0	3.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	55	49	45	38	35	31	30	38.9	177
06009	56	54	45	38	33	30	28	38.7	207
12015	60	52	47	39	35	33	32	39.7	198
18021	58	54	48	39	34	32	29	39.8	254
TOT	60	54	46	39	34	31	28	39.3	836

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.5	1.3	10.1	24.1	62.0	89	79
06009	.0	.9	1.8	9.1	23.6	64.5	89	110
12015	.0	3.7	4.9	12.2	20.7	58.5	88	82
18021	.0	1.6	6.5	9.7	26.6	55.6	87	124
TOT	0	8	15	40	95	237	88	395

FEBRUARY

PERIOD: (PRIMARY) 1929-1976
(OVER-ALL) 1926-1976

TABLE 17

AREA 0019 SOUTH GEORGIA
54.2S 36.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	W FOG	NO FOG
14/16	.0	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
11/13	.0	.0	.0	.0	.4	.6	.0	.0	5	.2	.8
9/10	.0	.0	.0	.2	.2	.6	.2	.0	6	.0	1.2
7/8	.0	.0	.0	.2	.6	.2	.0	.0	5	.0	1.0
6	.0	.0	.0	.2	.8	.0	.0	.0	5	.0	1.0
5	.0	.0	.4	3.2	.6	.0	.0	.0	21	.4	3.8
4	.0	.2	.6	4.2	.6	.2	.0	.0	29	.6	5.2
3	.0	.0	3.4	5.6	.0	.0	.0	.0	45	1.4	7.6
2	.0	.8	7.2	4.8	.0	.0	.0	.0	64	3.0	9.7
1	.6	2.6	11.1	4.2	.4	.0	.0	.0	95	2.6	16.3
0	.8	2.2	13.7	1.2	.4	.0	.0	.0	92	1.8	16.5
-1	.2	2.4	9.7	.4	.2	.0	.0	.0	65	1.4	11.5
-2	.2	2.6	3.8	.0	.0	.0	.0	.0	33	1.0	5.6
-3	.0	2.4	1.4	.0	.0	.0	.0	.0	19	.6	3.2
-4	.0	1.4	.2	.0	.0	.0	.0	.0	8	.2	1.4
-5	.0	.6	.2	.0	.0	.0	.0	.0	4	.4	.4
-6	.2	.2	.0	.0	.0	.0	.0	.0	2	.0	.4
-7/-8	.6	.0	.0	.0	.0	.0	.0	.0	3	.6	.0
-11/-13	.0	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	13	77	261	121	21	8	1	1	503	71	432
PCT	2.6	15.3	51.9	24.1	4.2	1.6	.2	.2	100.0	14.1	85.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.5	.0	.0	.0	.0	2.5	.0	.7	.0	.0	.0	.0	.7
1-2	.0	1.9	.0	.0	.0	.0	2.5	.0	1.9	.0	.0	.0	.0	1.9
3-4	.0	.4	.0	.0	.0	.0	.4	.0	1.2	1.6	.0	.0	.0	2.9
5-6	.0	.5	1.0	.0	.0	.0	1.5	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.4	.0	.0	.4	.0	.0	1.1	.0	.0	.0	1.1
8-9	.0	.0	.4	.8	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.1	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.5
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	1.9	1.6	.4	.0	7.4	.0	3.8	3.4	.7	.0	.0	7.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	1.9	.0	.0	.0	.0	1.9	.0	.7	.0	.0	.0	.0	.7
1-2	.0	2.0	.0	.0	.0	.0	2.0	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	.8	1.1	.0	.0	5.9	.0	1.8	.1	.0	.0	.0	1.9

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY

AREA 0019 SOUTH GEORGIA

TABLE 18 (CONT)

54.25 36.2W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.6	.0	.0	.0	.0	1.6	.0	1.6	.0	.0	.0	.0	1.6
1-2	.0	1.5	.0	.0	.0	.0	1.5	.0	1.2	2.2	.0	.0	.0	3.4
3-4	.0	.8	1.4	.0	.0	.0	2.2	.0	1.0	2.6	.5	.0	.0	4.1
5-6	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	3.7	.5	.0	.0	4.2
7	.0	.0	.0	.4	.0	.0	.4	.0	.0	1.1	.7	.0	.0	1.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.3
10-11	.0	.0	.0	.5	.0	.0	.5	.0	.0	.5	.5	.0	.0	1.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.1
13-16	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	1.4	.0	.0	1.4
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.5	.0	1.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	2.5	1.4	.0	.0	7.8	.0	3.8	10.2	4.5	1.6	.0	20.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.5	.0	.0	.0	.0	.0	.5	.0	1.1	.0	.0	.0	.0	1.1	
1-2	.0	1.5	.0	.0	.0	.0	1.5	.0	2.5	.0	.0	.0	.0	2.5	
3-4	.0	1.5	2.2	.0	.0	.0	3.7	.0	1.6	2.0	.0	.0	.0	3.7	
5-6	.0	.4	4.5	.5	.0	.0	5.5	.0	.1	1.8	1.1	.0	.0	3.0	
7	.0	.0	3.7	.5	.0	.0	4.2	.0	.0	5.1	1.2	.5	.0	6.8	
8-9	.0	.0	1.6	1.4	.0	.0	3.0	.0	.0	.1	1.4	.0	.0	1.5	
10-11	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.4	.5	.5	.0	1.5	.0	.0	.0	.5	.0	.0	.5	
13-16	.0	.0	.0	2.0	.4	.0	2.5	.0	.0	.0	1.6	.1	.0	1.8	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	1.1	.0	.0	1.6	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.5	3.4	12.4	5.6	1.0	.5	23.5	.0	5.9	9.0	7.0	.8	.0	22.7	97.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.3	8.2	.0	.0	.0	.0	11.5	
1-2	.0	13.7	2.7	.0	.0	.0	16.4	
3-4	.0	6.6	10.4	.5	.0	.0	17.5	
5-6	.0	1.1	12.6	2.2	.0	.0	15.8	
7	.0	.0	10.9	3.8	.5	.0	15.2	
8-9	.0	.0	2.2	3.8	.0	.0	6.0	
10-11	.0	.0	.5	2.2	.0	.0	2.7	
12	.0	.0	1.1	1.6	.5	.0	3.3	
13-16	.0	.0	.0	5.5	.5	.0	6.0	
17-19	.0	.5	.0	2.2	.5	.0	3.2	
20-22	.0	.0	.0	.0	.5	.0	.5	
23-25	.0	.0	.0	.0	1.1	.0	1.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.5	.5	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	30.1	40.4	21.9	3.8	.5	100.0	183

PERIOD: (OVER-ALL) 1950-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	4.7	9.0	9.0	3.3	.5	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	61	4
6-7	.0	1.9	3.3	5.2	5.7	5.2	1.4	1.4	.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	7
8-9	.0	.5	.0	.5	1.4	.5	1.4	2.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	10
10-11	.0	1.4	.0	.0	.0	.5	.9	.0	.9	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	10	12
12-13	.0	.0	1.9	.0	1.4	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	3.3	3.8	.0	1.4	4.2	3.8	2.8	.9	3.3	1.4	1.4	.9	.0	.5	.0	.0	.0	.0	.0	59	9
TOTAL	10	26	30	34	34	22	14	11	17	7	3	2	0	1	1	0	0	0	0	212	7
PCT	4.7	12.3	14.2	16.0	16.0	10.4	6.6	5.2	8.0	3.3	1.4	.9	.0	.5	.5	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976

MARCH

AREA 0019 SOUTH GEORGIA
54.15 36.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA	
N	14.3	1.5	6.0	.0	13.2	.0	.0	35.0	.0	.0	12.4	.0	.0	.0	52.6	
NE	12.4	.0	3.5	.0	20.4	.0	.0	29.2	.0	.0	19.2	.0	.0	.0	51.3	
E	11.2	.0	5.6	.0	12.1	.0	.0	25.2	.0	.0	18.7	.0	.0	.0	56.1	
SE	3.8	1.9	.9	.0	29.9	.0	.0	36.5	.0	3.8	3.8	.0	.0	.0	55.9	
S	5.8	1.3	.0	.0	15.4	.0	2.6	25.0	.0	.0	10.3	.0	.0	.0	64.7	
SW	9.6	5.2	.0	.0	17.2	.0	3.2	34.3	.0	.0	4.8	.0	.8	.0	60.1	
W	10.5	2.8	2.4	.0	12.6	.0	.4	27.4	.6	.0	10.5	.0	1.4	.0	60.2	
NW	17.6	4.8	1.1	.0	15.1	.0	.3	37.5	.1	.0	13.4	.0	.1	.0	48.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.4	1.1	1.1	.0	12.6	.0	.0	21.1	.0	.0	13.7	.0	.0	.0	65.3	
TOT PCT	11.4	3.0	1.8	.0	15.7	.0	.8	31.4	.1	.3	11.0	.0	.4	.0	56.8	
TOT OBS:	739															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	14.4	3.0	2.4	.0	15.6	.0	.0	32.9	.5	.6	12.0	.0	.0	.0	53.9
0600	12.5	2.7	.9	.0	18.8	.0	.0	33.9	.0	.4	11.2	.0	.0	.0	54.5
1200	10.8	1.2	1.8	.6	11.4	.0	1.2	25.9	.0	.0	13.9	.0	.6	.0	59.6
1800	8.9	3.6	1.6	.0	13.0	.0	1.6	28.3	.0	.0	10.1	.0	.8	.0	60.7
TOT PCT TOT OBS:	11.4 804	2.7	1.6	.1	14.8	.0	.7	30.3	.1	.2	11.6	.0	.4	.0	57.3

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.6	3.4	3.0	1.5	.1	.0		8.7	13.7	14.4	4.2	9.2	7.9	7.7	11.1	9.7	1.9
NE	.3	1.2	1.8	.4	.0	.0		3.7	13.5	5.6	2.1	5.6	1.4	3.8	2.2	2.4	6.3
E	1.2	1.0	1.7	.1	.0	.0		3.9	9.8	2.1	4.9	3.7	3.6	5.5	3.3	3.8	4.4
SE	.3	3.5	2.1	1.4	.0	.0		7.3	13.2	7.7	7.6	6.2	3.6	5.5	10.6	7.2	10.8
S	.0	2.1	1.6	1.6	.2	.0		5.4	16.6	7.4	4.2	4.6	5.7	8.2	3.3	6.8	1.9
SW	.0	5.0	6.2	4.3	2.1	.0		17.6	19.4	16.8	16.0	17.1	15.0	22.8	13.0	18.8	17.7
W	.0	3.2	8.3	4.5	1.0	.2		17.2	19.0	19.7	16.0	16.7	11.8	20.3	14.4	19.7	15.2
NW	.5	7.1	9.5	5.0	1.7	*		23.8	17.1	16.8	25.7	23.6	31.1	15.1	26.7	25.1	27.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	12.4							12.4	.0	9.6	19.4	13.4	20.0	11.0	13.3	6.5	13.9
TOT OBS	123	214	276	152	41	2	808		14.7	94	72	142	70	91	90	170	79
TOT PCT	15.2	26.5	34.2	18.8	5.1	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					4+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	1.9	3.8	2.3	.6	.0			8.7	13.7	9.9	8.7	9.4	7.2
NE	.7	1.6	1.1	.3	.0			3.7	13.5	4.1	4.2	3.0	3.6
E	1.6	1.3	1.0	.0	.0			3.9	9.8	2.3	3.7	4.4	4.0
SE	1.5	3.3	2.1	.4	.0			7.3	13.2	7.7	5.3	8.0	8.3
S	.9	1.9	1.6	1.0	.0			5.4	16.6	6.0	5.0	5.8	5.2
SW	2.1	5.7	6.0	3.0	.9			17.6	19.4	16.4	16.4	18.9	18.5
W	.7	7.1	6.8	1.9	.6			17.2	19.0	18.1	15.1	17.4	18.3
NW	2.0	10.4	8.2	2.8	.3			23.8	17.1	20.6	26.1	20.9	26.0
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	12.4							12.4	.0	13.9	15.6	12.2	8.8
TOT OBS	193	265	236	81	15	808			14.7	166	212	181	249
TOT PCT	23.9	35.0	29.2	10.0	1.9			100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976

MARCH

AREA 0019 SOUTH GEORGIA
54.15 36.34

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	13.9	1.2	24.7	33.7	22.3	4.2	.0	14.6	100.0	166
06009	15.6	2.8	24.5	31.1	21.7	3.8	.5	14.2	100.0	212
12015	12.2	5.0	26.5	32.0	20.4	3.9	.0	14.6	100.0	181
18021	8.8	2.4	29.3	38.6	12.9	7.6	.4	13.1	100.0	249
TOT	100	23	214	276	152	41	2	14.7		808
PCT	12.4	2.8	26.5	34.2	18.8	5.1	.2	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.7	.4	1.9	9.7		7.1
NE	.7	.4	1.2	2.1		5.8
E	.0	.3	.6	1.7		7.0
SE	.0	.8	.7	4.5		7.1
S	.7	2.3	2.9	2.8		5.7
SW	1.0	2.9	7.6	9.0		6.3
W	1.6	3.6	7.4	7.3		6.1
NW	.4	1.8	5.4	3.8		6.8
VAR	.0	.0	.0	.0		.0
CALM	1.1	.7	1.1	5.1		6.2
TOT OBS	17	36	79	141	273	6.4
TOT PCT	6.2	13.2	28.9	51.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION											
000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
1.9	.3	.3	1.6	3.0	1.0	.0	.4	.0	.7	3.1	
1.1	.1	.0	.6	.7	.7	.0	.0	.0	.0	1.1	
.4	.0	.0	.6	.5	.0	.3	.0	.0	.0	.8	
.4	.0	.0	.7	2.0	1.1	.1	.0	.0	.0	1.7	
.0	.0	.0	1.0	2.6	.9	.4	.0	.4	.0	3.6	
1.5	.0	.0	.5	7.1	2.1	.7	.0	.0	.5	8.1	
2.8	.0	.0	2.3	5.3	1.7	.3	.0	.0	.3	7.1	
1.8	.0	.8	3.2	4.3	2.3	.5	.0	.0	.7	3.8	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1.8	.4	.4	.0	1.1	1.5	.0	.0	.0	.7	2.2	
32	2	4	29	73	31	6	1	1	8	86	273
11.7	.7	1.5	10.6	26.7	11.4	2.2	.4	.4	2.9	31.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
= OR >5000	2.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >3500	4.0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
= OR >2000	11.6	17.5	17.5	17.5	17.8	17.8	17.8	17.8	17.8
= OR >1000	16.7	36.7	40.7	42.2	42.9	44.0	44.0	44.0	44.0
= OR >600	19.3	42.5	50.2	52.7	53.8	54.9	54.9	54.9	54.9
= OR >300	19.3	43.3	50.9	53.8	54.9	56.4	56.4	56.4	56.4
= OR >150	19.3	43.3	51.3	54.2	55.3	56.7	57.1	57.1	57.1
= OR >0	19.6	44.7	56.7	60.7	63.6	67.3	68.0	68.0	68.0
TOTAL	54	123	156	167	175	185	187	187	187

TOTAL NUMBER OF OBS: 275

PCT FREQ NH <5/8: 32.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.1	1.4	8.8	10.9	6.8	6.8	9.5	10.9	32.7	9.2	294

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976

MARCH

AREA 0019 SOUTH GEORGIA
54.15 36.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.4	.2	.1	.0	.0	.*	.1	.9	.0	.8	2.7	
	NO PCP	.8	.1	.0	.1	.4	.1	.9	1.7	.0	.3	4.3	
	TOT %	1.2	.4	.1	.1	.4	.2	1.0	2.6	.0	1.1	7.0	
1/2<1	PCP	.1	.0	.1	.1	.0	.6	.4	.9	.0	.4	2.5	
	NO PCP	.1	.1	.6	.1	.1	.1	.5	.8	.0	.3	2.7	
	TOT %	.2	.1	.6	.1	.1	.7	.8	1.7	.0	.7	5.2	
1<2	PCP	.4	.1	.2	.5	.0	.6	1.0	1.5	.0	.3	4.6	
	NO PCP	.3	.0	.1	.3	.1	.3	.8	.6	.0	2.2	4.6	
	TOT %	.7	.1	.4	.8	.1	.9	1.8	2.0	.0	2.5	9.2	
2<5	PCP	.8	.4	.2	.3	.2	.7	1.1	1.7	.0	.4	5.9	
	NO PCP	.5	.1	.4	.5	.4	.8	1.3	1.1	.0	1.7	6.9	
	TOT %	1.3	.6	.6	.8	.7	1.6	2.4	2.8	.0	2.1	12.8	
5<10	PCP	1.1	.1	.2	1.7	1.0	4.1	2.2	3.9	.0	1.0	15.3	
	NO PCP	2.1	.8	.7	1.3	1.1	5.3	3.6	6.6	.0	3.2	24.7	
	TOT %	3.2	.9	.9	3.0	2.1	9.4	5.8	10.6	.0	4.2	40.0	
10+	PCP	.1	.0	.0	.1	.0	.0	.1	.*	.0	.0	.4	
	NO PCP	2.2	1.2	1.0	2.3	2.0	4.3	5.6	4.6	.0	2.0	25.4	
	TOT %	2.4	1.2	1.0	2.5	2.0	4.3	5.8	4.7	.0	2.0	25.8	
TOT OBS													713
TOT PCT		9.0	3.3	3.6	7.3	5.3	17.0	17.6	24.3	.0	12.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	1.1	1.2	
	4-10	.3	.2	.0	.1	.3	.1	.4	.9	.0	.0	2.3	
	11-21	.2	.0	.0	.0	.0	.0	.3	1.0	.0	.0	1.5	
	22+	.7	.2	.0	.0	.0	.*	.2	.8	.0	.0	1.9	
	TOT %	1.2	.3	.1	.1	.3	.2	1.0	2.7	.0	1.1	7.0	
1/2<1	0-3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.7	1.0	
	4-10	.1	.1	.1	.1	.1	.1	.1	.8	.0	.0	1.5	
	11-21	.1	.0	.2	.1	.1	.4	.4	.7	.0	.0	1.9	
	22+	.1	.0	.0	.0	.0	.1	.2	.2	.0	.0	.7	
	TOT %	.2	.1	.6	.1	.1	.7	.8	1.7	.0	.7	5.1	
1<2	0-3	.3	.0	.1	.0	.0	.0	.0	.4	.0	2.5	3.3	
	4-10	.2	.1	.1	.3	.0	.3	.3	.5	.0	.0	1.9	
	11-21	.1	.0	.1	.3	.0	.5	.8	.7	.0	.0	2.5	
	22+	.1	.0	.0	.0	.1	.1	.7	.6	.0	.0	1.5	
	TOT %	.7	.1	.3	.8	.1	.9	1.8	2.1	.0	2.5	9.3	
2<5	0-3	.0	.0	.3	.1	.0	.0	.0	.1	.0	2.1	2.6	
	4-10	.6	.2	.1	.4	.0	.2	.5	.5	.0	.0	2.5	
	11-21	.5	.4	.1	.1	.2	1.0	1.5	1.1	.0	.0	5.0	
	22+	.2	.0	.0	.1	.4	.4	.4	1.1	.0	.0	2.6	
	TOT %	1.3	.6	.6	.8	.7	1.6	2.4	2.8	.0	2.1	12.7	
5<10	0-3	.3	.0	.1	.0	.0	.0	.0	.0	.0	4.1	4.6	
	4-10	1.0	.3	.3	1.3	.8	2.7	.6	3.2	.0	.0	10.4	
	11-21	1.1	.5	.3	1.0	.7	3.1	2.1	3.9	.0	.0	12.8	
	22+	.7	.0	.1	.6	.5	3.8	3.1	3.2	.0	.0	12.0	
	TOT %	3.1	.9	.9	3.0	2.0	9.5	5.9	10.4	.0	4.1	39.8	
10+	0-3	.0	.3	.3	.1	.0	.0	.0	.0	.0	1.9	2.6	
	4-10	.9	.2	.3	1.1	.5	1.0	1.4	1.7	.0	.0	7.0	
	11-21	1.4	.6	.7	.7	.5	1.1	2.9	2.1	.0	.0	9.9	
	22+	.0	.1	.0	.6	1.0	2.3	1.5	1.0	.0	.0	6.5	
	TOT %	2.3	1.2	1.3	2.5	2.0	4.4	5.8	4.7	.0	1.9	26.1	
TOT OBS													724
TOT PCT		8.8	3.3	3.9	7.1	5.2	17.2	17.6	24.4	.0	12.4	100.0	

MARCH

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976AREA 0019 SOUTH GEORGIA
34.15 36.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	18.5	.0	.0	7.7	26.2	9.2	.0	.0	.0	1.5	63.1	36.9	63
06009	17.6	.0	.0	11.8	29.4	5.9	.0	.0	.0	2.0	66.7	33.3	51
12015	7.4	2.5	3.7	8.6	22.2	16.0	6.2	.0	1.2	1.2	69.1	30.9	81
18021	6.0	.0	1.2	14.3	27.4	13.1	1.2	1.2	.0	6.0	70.2	29.8	84
TOT	32	2	4	30	73	33	6	1	1	8	190	91	281
PCT	11.4	.7	1.4	10.7	26.0	11.7	2.1	.4	.4	2.8	67.6	32.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	6.9	6.9	8.2	12.6	40.3	25.2	159
06009	9.9	5.8	10.3	14.8	40.8	18.4	223
12015	8.5	3.7	6.7	10.4	38.4	32.3	164
18021	5.0	4.6	9.5	10.4	42.7	27.8	241
TOT	59	41	70	95	321	201	787
PCT	7.5	5.2	8.9	12.1	40.8	25.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	17.7	21.0	29.0	35.5	35.5	62
06009	18.4	20.4	42.9	26.5	30.6	49
12015	7.4	16.0	32.1	38.3	29.6	81
18021	4.8	7.2	30.1	42.2	27.7	83
TOT	30	42	90	101	84	275
PCT	10.9	15.3	32.7	36.7	30.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
43/49	.0	.0	.0	.9	7.6	2.8	1.2	.5	34	8.0
40/44	.0	.0	.0	.0	3.8	5.0	9.9	11.6	128	30.2
39/39	.0	.0	.5	.9	3.8	9.4	9.2	26.4	213	50.2
30/34	.0	.0	.0	.0	.2	2.4	3.8	4.5	46	10.8
23/29	.0	.0	.0	.0	.0	.2	.0	.5	3	.7
TOTAL	0	0	2	8	44	84	102	184	424	100.0
PCT	.0	.0	.5	1.9	10.4	19.8	24.1	43.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
43/49	.2	.2	.0	.2	.0	1.2	1.7	4.1	.0	.2
40/44	3.1	.5	.3	.9	.7	4.0	6.7	11.6	.0	2.4
39/39	3.1	2.9	1.2	4.0	2.4	9.2	10.6	13.5	.0	3.3
30/34	.7	.3	.2	2.4	.9	2.8	.7	1.4	.0	1.4
23/29	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0
TOTAL	7.1	4.0	1.7	7.5	4.1	17.9	19.7	30.7	.0	7.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	49	45	43	38	32	28	26	37.7	180
06009	50	46	44	37	31	26	24	37.3	245
12015	50	49	47	38	34	32	30	39.1	202
18021	49	47	45	38	33	31	28	38.5	288
TOT	50	48	45	38	32	29	24	38.2	915

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.3	13.2	15.4	23.1	45.1	84	91		
06009	.0	2.8	9.9	15.6	23.4	48.2	85	141		
12015	.0	3.1	8.3	27.1	24.0	37.5	84	96		
18021	.0	2.5	13.4	20.4	26.8	36.9	83	157		
TOT	0	14	55	94	119	203	84	485		

MARCH

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1926-1976

TABLE 17

AREA 0019 SOUTH GEORGIA
54.15 36.3WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	49 52	TCT	N FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.2	1	.0	.2
9/10	.0	.0	.0	.0	.0	.2	.4	3	.0	.6
7/8	.0	.0	.0	.0	.2	.2	.0	2	.0	.4
6	.0	.0	.0	.2	.4	.2	.0	4	.0	.8
5	.0	.0	.0	.6	.6	1.0	.0	11	.0	2.1
4	.0	.0	.0	1.0	2.7	.0	.0	19	.4	3.3
3	.0	.0	.2	1.6	4.7	.2	.0	34	.8	5.8
2	.0	.0	.4	3.2	5.0	.0	.0	55	2.5	8.1
1	.0	.4	.4	9.7	4.7	.0	.0	78	4.5	10.7
0	.0	.2	1.4	11.0	1.4	.0	.0	72	2.3	11.6
-1	.4	.2	2.7	14.1	.4	.0	.0	92	1.0	16.9
-2	.0	.2	3.1	4.8	.0	.0	.0	42	.8	7.4
-3	.0	.4	5.6	1.9	.0	.0	.0	41	.2	7.8
-4	.0	.0	3.9	.6	.2	.0	.0	24	.0	4.7
-5	.0	1.2	2.9	.0	.0	.0	.0	21	.0	4.1
-6	.0	1.6	.6	.2	.0	.0	.0	12	.0	2.3
-7/-8	.0	.2	.6	.0	.0	.0	.0	4	.0	.8
-9/-10	.0	.2	.0	.0	.0	.0	.0	1	.0	.2
TOTAL	2		112		104		3	516	64	452
PCT	.4	4.5	21.7	31.0	20.2	1.7	.6	100.0	12.4	87.6

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.3	.0	.0	.0	.0	1.3	.5	.8	.0	.0	.0	.0	1.0
1-2	.0	2.9	.5	.0	.0	.0	3.3	.9	.8	.1	.0	.0	.0	1.4
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	.5	.0	.0	.0	.5
7	.0	.5	.8	.0	.0	.0	1.3	.0	.0	.6	.5	.0	.0	1.0
8-9	.0	.5	1.3	.3	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.1	6.6	1.0	.0	.0	12.7	.9	1.5	1.6	.5	.0	.0	4.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.5
1-2	.0	1.5	.7	.0	.0	.0	2.2	.0	1.3	.1	.0	.0	.0	1.4
3-4	.0	.7	.9	.0	.0	.0	1.6	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	1.6	.0	.0	.0	3.8	.0	2.8	2.9	1.4	.0	.0	7.0

PERIOD: (OVER-ALL) 1963-1976

MARCH

AREA 0019 SOUTH GEORGIA
34.15 36.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.9	.0	.0	.0	.0	.9	.0	.5	.0	.0	.0	.0	.5	
1-2	.0	.3	.8	.0	.0	.0	1.2	.0	1.2	.2	.0	.0	.0	1.4	
3-4	.0	.3	.0	.5	.0	.0	.8	.0	.8	.9	.0	.0	.0	1.7	
5-6	.0	.5	2.2	.0	.0	.0	2.6	.0	.9	.6	.1	.0	.0	1.6	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.6	.0	.0	2.5	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	1.4	
10-11	.0	.0	.5	1.3	.0	.0	1.7	.0	.0	.1	1.0	.0	.0	1.2	
12	.0	.0	.0	.0	.5	.0	.5	.0	.0	.5	.5	.5	.0	1.4	
13-16	.0	.0	.0	.5	.0	.0	.5	.0	.0	.5	1.4	.0	.0	1.8	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.0	.0	1.5	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.9	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.5	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.1	3.5	2.2	.5	.0	8.2	.0	3.3	5.1	5.5	2.9	.0	16.8	

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0		
1-2	.0	1.3	2.1	.0	.0	.0	3.3	.5	2.8	.1	.0	.0	.0	3.3		
3-4	.0	.7	2.8	.5	.0	.0	3.9	.0	1.4	.9	.0	.0	.0	2.3		
5-6	.0	.0	2.6	.8	.0	.0	3.5	.0	.0	3.5	.5	.0	.0	3.9		
7	.0	.0	1.4	.7	.3	.0	2.4	.0	.0	1.4	.5	.1	.0	2.0		
8-9	.0	.0	.9	1.2	.0	.0	2.1	.0	.0	.6	1.7	.0	.0	2.3		
10-11	.0	.0	.8	1.3	.0	.0	2.1	.0	.0	.5	.6	.0	.0	1.0		
12	.0	.0	.0	.5	.0	.0	.5	.0	.0	.9	.0	.0	.0	.9		
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.7	.0	.0	.7		
17-19	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.7	.5	.0	1.2		
20-22	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.5	.0	.5		
23-25	.0	.0	.0	.0	.5	.5	.9	.0	.0	.0	.0	.5	.0	.5		
26-32	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.1	.1		
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT PCT	.0	2.9	10.6	6.5	1.2	.8	21.9	.5	4.1	7.8	4.6	1.5	.1	18.7	93.5	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.9	4.6	.0	.0	.0	.0	11.5	
1-2	.9	12.4	4.8	.0	.0	.0	17.9	
3-4	.0	4.1	7.8	.9	.0	.0	12.8	
5-6	.0	2.3	11.9	1.4	.0	.0	15.6	
7	.0	.5	6.4	3.2	.5	.0	10.6	
8-9	.0	.5	4.1	3.2	.0	.0	7.8	
10-11	.0	.0	2.3	4.6	.0	.0	6.9	
12	.0	.0	1.8	1.4	.9	.0	4.1	
13-16	.0	.0	.5	3.2	.0	.0	3.7	
17-19	.0	.0	.0	3.2	.5	.0	3.7	
20-22	.0	.0	.0	.5	1.8	.0	2.3	
23-25	.0	.0	.0	.0	1.8	.5	2.3	
26-32	.0	.0	.0	.0	.5	.5	.9	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.8	24.3	39.4	21.6	6.0	.9	100.0	218

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.8	5.4	4.6	6.7	6.7	5.4	4.6	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
6-7	.0	.8	2.1	6.3	2.1	2.5	2.5	1.7	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	46	7
8-9	.0	.0	1.7	1.3	.8	1.3	1.7	.0	.8	.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	22	10
10-11	.0	.0	.4	.0	.4	.8	.0	.4	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	11
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	2	26
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.0	3.8	.8	.8	.8	1.3	1.7	3.3	4.2	3.8	1.7	1.7	.4	.0	.0	.0	.0	.0	.0	70	10
TOTAL	21	24	23	36	26	27	25	14	17	14	5	5	2	1	0	0	0	0	0	240	8
PCT	8.8	10.0	9.6	15.0	10.8	11.3	10.4	5.8	7.1	5.8	2.1	2.1	.8	.4	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976

TABLE 1

AREA 0019 SOUTH GEORGIA
34.15 36.3W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	17.4	4.3	9.4	.0	7.2	.0	.0	32.6	.0	.0	20.3	.0	.0	.0	47.1
NE	26.7	4.4	.0	.0	8.9	.0	.0	31.1	.0	.0	31.1	.0	.0	.0	37.6
E	11.3	3.8	3.8	.0	11.3	.0	.0	26.4	.0	.0	11.3	.0	.0	.0	62.3
SE	6.2	.0	10.8	.0	16.9	.0	3.1	35.4	.0	.0	10.8	.0	.0	.0	53.8
S	8.7	.0	.0	.0	11.6	.0	4.3	24.6	.0	.0	.0	.0	.0	.0	75.4
SW	9.4	4.4	.0	1.3	10.3	.0	.3	23.2	1.3	.0	3.8	.0	.0	.0	71.8
W	7.8	3.2	2.1	.0	22.0	.0	.0	32.2	2.1	.0	13.1	.0	.0	.0	52.5
NW	8.1	4.4	5.9	.0	3.3	.0	.0	18.8	1.8	.0	18.6	.0	.0	.0	60.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1	.0	8.6	.0	17.1	.0	.0	30.0	.0	.0	20.0	.0	.0	.0	50.0
TOT PCT	9.2	3.0	4.7	.2	12.2	.0	.4	26.8	1.1	.0	14.2	.0	.0	.0	57.9
TOT OBS	466														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	9.8	1.8	2.7	.9	17.0	.0	.0	29.5	.9	.0	11.6	.0	.0	.0	58.0
06009	7.5	2.7	4.8	.0	11.6	.0	.0	25.3	.0	.0	14.4	.0	.0	.0	60.3
12019	7.8	2.9	5.8	.0	10.7	.0	1.0	25.2	1.0	.0	15.5	.0	.0	.0	58.3
18021	9.8	3.0	3.7	.0	11.6	.0	.6	25.0	1.8	.0	14.0	.0	.0	.0	59.1
TOT PCT	8.8	2.7	4.2	.2	12.6	.0	.4	26.1	1.0	.0	13.9	.0	.0	.0	59.0
TOT OBS	525														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.5	2.4	3.1	1.0	.4	.0		7.4	15.3	7.5	6.1	12.0	2.9	14.4	3.2	7.3	5.7	
NE	.1	1.1	1.0	.6	.0	.0		2.8	13.0	4.5	2.6	3.2	.0	3.1	2.4	4.5	.0	
E	.6	1.9	.3	.2	.0	.0		3.0	8.5	3.0	6.1	3.9	1.0	.0	3.2	3.1	1.9	
SE	.9	4.1	2.2	.1	.0	.0		7.3	10.1	5.0	7.0	5.2	9.8	3.1	10.5	5.9	12.3	
S	.0	1.6	1.5	.3	.2	.0		3.5	12.9	3.5	3.5	.6	1.0	9.4	1.6	6.8	.9	
SW	.0	5.8	6.4	4.0	1.2	.2		17.6	17.5	19.5	17.5	15.6	15.7	16.8	21.0	18.9	13.2	
W	.3	6.4	7.4	4.3	1.5	.0		19.9	17.4	25.0	23.7	20.8	13.7	15.0	14.5	21.9	21.7	
NW	1.0	7.4	9.0	3.9	2.7	.0		23.9	17.4	28.0	21.1	19.2	26.5	28.8	24.2	23.1	25.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	14.7							14.7	.0	4.0	12.3	19.5	29.4	7.5	19.4	8.5	18.9	
TOT OBS	90	152	193	71	29	1	496		13.6	50	57	77	51	40	62	106	53	
TOT PCT	18.1	30.6	30.6	14.3	5.8	.2		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	1.6	2.6	2.1	1.0	.1	7.4	15.3		6.8	8.4	7.6	6.8
NE	1.1	.5	1.1	.1	.0	2.8	13.0		3.5	2.0	2.7	3.0
E	1.1	1.7	.0	.2	.0	3.0	8.5		4.7	2.7	2.0	2.7
SE	2.2	3.2	1.8	.1	.0	7.3	10.1		6.1	7.0	7.6	8.0
S	.9	1.7	.8	.2	.0	3.5	12.9		3.5	.8	4.7	4.9
SW	2.2	7.6	4.3	3.1	.4	17.6	17.5		18.5	15.6	20.1	17.0
W	.8	9.6	5.9	3.2	.4	19.9	17.4		24.3	18.0	14.7	21.9
NW	3.3	8.7	8.0	3.1	.9	23.9	17.4		24.3	22.1	26.0	23.9
VAR	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0
CALM	14.7					14.7	.0		8.4	23.4	14.7	11.9
TOT OBS	138	176	119	54	9	496	13.6		107	128	102	159
TOT PCT	27.8	35.5	24.0	10.9	1.8		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976AREA 0019 SOUTH GEORGIA
54.15 96.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	8.4	3.7	34.6	35.5	13.1	4.7	.0	13.8	100.0	107
0600	23.4	3.1	26.6	25.0	14.1	7.8	.0	12.9	100.0	128
1200	14.7	4.9	26.5	30.4	18.6	4.9	.0	14.2	100.0	102
1800	11.9	2.5	34.0	32.7	12.6	5.7	.6	13.7	100.0	159
TOT	73	17	152	153	71	29	1	13.6		496
PCT	14.7	3.4	30.6	30.8	14.3	5.8	.2	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	3.6	7.4		7.4
NE	.8	.0	.2	4.4		7.0
E	.0	.0	.8	2.2		7.4
SE	.0	.0	1.0	1.8		7.2
S	.0	.6	3.8	2.2		6.7
SW	.0	1.2	8.6	8.4		6.8
W	2.4	2.8	7.6	9.2		6.1
NW	2.4	1.0	7.2	17.2		6.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	3.2		8.0
TOT OBS	7	7	41	70	125	6.8
TOT PCT	5.6	5.6	32.8	56.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	1.6	1.4	.8	1.4	1.4	1.6	.8	.0	.8	.6	.8	
NE	.8	.8	1.0	.2	.2	.0	.0	.0	.0	.0	2.4	
E	.8	.0	.0	.0	.6	.8	.0	.0	.0	.0	.8	
SE	.0	.0	.0	.8	1.0	.8	.2	.0	.0	.0	.0	
S	.0	.0	.0	.8	1.6	1.4	1.4	.0	.0	.0	1.4	
SW	.2	.0	.0	3.2	2.6	4.6	1.6	.0	.0	3.2	2.8	
W	1.4	.0	.8	4.4	6.2	.4	.0	.0	.0	1.6	7.2	
NW	1.6	.2	4.0	2.8	6.4	3.2	1.6	.0	.0	.2	7.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.8	.8	.8	.8	.0	.0	.0	.0	.0	.0	
TOT OBS	8	4	9	18	28	16	7	0	1	7	29	125
TOT PCT	6.4	3.2	7.2	14.4	20.8	12.8	5.6	.0	.8	5.6	23.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	4.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3
>5000	4.7	6.3	6.3	6.3	6.3	6.3	6.3	6.3
>3500	9.4	11.8	11.8	11.8	11.8	11.8	11.8	11.8
>2000	15.7	23.6	23.6	23.6	24.4	24.4	24.4	24.4
>1000	26.8	39.4	44.1	44.9	46.5	46.5	46.5	46.5
>600	33.1	51.2	57.5	58.3	59.8	60.6	60.6	60.6
>300	33.1	52.0	60.6	62.2	64.6	67.7	67.7	67.7
>150	33.1	52.0	60.6	63.8	66.1	70.9	70.9	70.9
>0	33.9	53.5	62.2	65.4	69.3	75.6	77.2	77.2
TOTAL	43	68	79	83	88	96	98	98

TOTAL NUMBER OF OBS: 127

PCT FREQ NH <5/8: 22.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
2.2	5.2	5.2	6.7	3.0	9.7	11.2	9.7	41.8	5.2	134

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976

APRIL

AREA 0019 SOUTH GEORGIA
54.15 36.34

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	1.2	.4	.0	.0	.0	.4	1.9	2.0	.0	1.1	7.1	
	NO PCP	.8	.2	.2	.2	.0	.3	1.0	1.6	.0	1.1	5.4	
	TOT %	2.0	.6	.2	.2	.0	.8	2.9	3.6	.0	2.2	12.4	
1/2<1	PCP	.4	.0	.2	1.1	.6	1.3	1.2	.3	.0	1.1	6.2	
	NO PCP	.6	.3	.1	.5	.0	.4	1.2	1.4	.0	1.7	6.2	
	TOT %	1.0	.3	.3	1.6	.6	1.8	2.4	1.7	.0	2.8	12.4	
1<2	PCP	.3	.0	.3	.6	.3	.1	1.1	1.5	.0	1.5	5.8	
	NO PCP	.6	.2	.6	.5	.1	.0	1.4	1.8	.0	2.8	8.2	
	TOT %	1.0	.2	1.0	1.2	.4	.1	2.5	3.3	.0	4.3	14.0	
2<5	PCP	.2	.2	.1	.1	.0	.1	.3	.4	.0	.4	1.9	
	NO PCP	.6	.1	.2	.6	.0	.8	1.6	4.1	.0	1.7	9.7	
	TOT %	.8	.3	.3	.8	.0	.9	1.9	4.5	.0	2.2	11.6	
5<10	PCP	.2	.1	.1	.4	.0	2.2	1.4	.3	.0	.2	4.9	
	NO PCP	1.2	.2	.2	1.4	.8	7.2	4.7	5.7	.0	1.7	23.0	
	TOT %	1.4	.3	.3	1.8	.8	9.3	6.1	6.0	.0	1.9	28.0	
10+	PCP	.0	.0	.0	.0	.0	.5	.5	.1	.0	.2	1.3	
	NO PCP	1.2	.8	.7	1.2	1.9	4.5	3.3	5.1	.0	1.5	20.2	
	TOT %	1.2	.8	.7	1.2	1.9	5.0	3.8	5.2	.0	1.7	21.5	
TOT OBS													465
TOT PCT		7.4	2.4	2.8	6.8	3.7	17.8	19.6	24.4	.0	13.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.1	.0	.0	.2	.0	.0	.2	.1	.0	2.1	2.7	
	4-10	.3	.0	.2	.0	.0	.2	1.0	1.4	.0		3.1	
	11-21	.8	.2	.0	.0	.0	.3	.9	.9	.0		3.1	
	22+	.8	.4	.0	.0	.0	.3	.9	1.5	.0		4.0	
	TOT %	2.0	.6	.2	.2	.0	.8	3.1	3.8	.0	2.1	12.9	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	2.7	
	4-10	.2	.0	.3	.7	.2	.2	.4	.6	.0		2.7	
	11-21	.6	.2	.0	.8	.2	.0	.7	.7	.0		3.3	
	22+	.2	.1	.0	.0	.2	1.5	1.1	.5	.0		3.5	
	TOT %	1.0	.3	.3	1.6	.6	1.7	2.3	1.9	.0	2.7	12.3	
1<2	0-3	.3	.0	.1	.3	.0	.0	.1	.6	.0	4.2	5.8	
	4-10	.4	.2	.8	.4	.4	.0	.6	1.7	.0		4.6	
	11-21	.1	.0	.0	.2	.0	.0	1.0	.5	.0		1.9	
	22+	.1	.0	.0	.0	.0	.1	.6	.4	.0		1.3	
	TOT %	.9	.2	.9	1.1	.4	.1	2.4	3.2	.0	4.2	13.6	
2<5	0-3	.0	.0	.2	.2	.0	.0	.0	.0	.0	2.1	2.5	
	4-10	.1	.2	.1	.5	.0	.8	.8	1.2	.0		3.8	
	11-21	.9	.1	.0	.0	.0	.4	.8	1.8	.0		4.0	
	22+	.0	.0	.0	.0	.0	.3	.4	1.6	.0		2.3	
	TOT %	1.0	.3	.3	.7	.0	1.6	2.0	4.6	.0	2.1	12.5	
5<10	0-3	.1	.0	.0	.0	.0	.0	.0	.3	.0	1.9	2.3	
	4-10	.8	.1	.2	1.1	.0	3.8	2.6	1.2	.0		9.8	
	11-21	.4	.2	.1	.6	.4	3.1	1.5	2.3	.0		8.6	
	22+	.2	.1	.0	.0	.3	2.2	1.8	2.0	.0		6.7	
	TOT %	1.5	.4	.3	1.8	.7	9.0	5.9	5.8	.0	1.9	27.3	
10+	0-3	.0	.1	.1	.0	.0	.0	.0	.0	.0	1.7	1.9	
	4-10	.6	.6	.2	1.1	1.0	1.0	.5	1.4	.0		6.5	
	11-21	.4	.2	.2	.0	.9	2.8	2.5	3.0	.0		10.0	
	22+	.2	.0	.2	.1	.0	1.1	.8	.7	.0		2.9	
	TOT %	1.2	.9	.7	1.1	1.9	5.0	3.8	5.0	.0	1.7	21.3	
TOT OBS													479
TOT PCT		7.6	2.7	2.8	6.6	3.6	18.2	19.6	24.4	.0	14.6	100.0	

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL, 1902-1976)AREA 0019 SOUTH GEORGIA
34.1S 96.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	9.1	.0	6.1	15.2	12.1	10.2	9.1	.0	.0	9.1	70.8	21.2	33
06009	5.3	5.3	5.3	5.3	10.5	21.1	5.3	.0	.0	5.3	63.2	36.8	19
12015	6.7	3.3	6.7	13.3	30.0	13.3	6.7	.0	.0	3.3	83.3	16.7	30
18021	4.3	4.3	8.7	17.4	28.3	4.3	2.2	.0	2.2	4.3	76.1	23.9	46
TOT	8	4	9	18	28	16	7	0	1	7	98	30	128
PCT	6.3	3.1	7.0	14.1	21.9	12.5	5.5	.0	.8	5.5	76.6	23.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	16.2	12.8	9.4	8.5	35.0	17.9	117
06009	13.3	14.0	13.3	14.0	36.0	9.3	150
12015	5.8	12.6	10.7	13.6	26.2	31.1	103
18021	11.8	10.6	14.7	11.2	28.8	22.9	170
TOT	65	67	67	64	171	106	540
PCT	12.0	12.4	12.4	11.9	31.7	19.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	9.1	15.2	33.3	45.5	21.2	33
06009	5.3	21.1	21.1	42.1	36.8	19
12015	6.7	20.0	50.0	36.7	13.3	30
18021	4.4	22.2	44.4	35.6	20.0	46
TOT	8	25	50	50	27	127
PCT	6.3	19.7	39.4	39.4	21.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.0	.0	.5	.5	.5	2	.9
49/49	.0	.5	.0	.5	1.4	.5	2.8	1.4	15	7.1
40/44	.0	.0	.0	.0	3.3	3.3	3.8	4.2	31	14.6
35/39	.0	.0	.0	.5	3.3	4.7	9.9	31.1	105	49.5
30/34	.0	.0	.0	.0	1.9	5.2	8.5	9.4	59	25.0
25/29	.0	.0	.0	.0	.5	.0	.5	1.9	6	2.8
TOTAL	0	1	0	2	22	29	55	103	212	100.0
PCT	.0	.5	.0	.9	10.4	13.7	25.9	48.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	.9	.0	.0
.0	.0	.0	.0	.0	2.8	.2	4.0	.0	.0
.9	.5	.0	.2	.7	3.3	2.4	5.7	.0	.9
2.8	1.7	.9	7.2	1.8	11.4	13.1	9.7	.0	.9
1.4	.2	1.2	3.5	3.4	7.3	6.1	.8	.0	.9
.0	.0	.2	.7	.5	.9	.0	.5	.0	.0
5.2	2.4	2.4	11.7	6.4	25.8	21.8	21.6	.0	2.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	50	47	43	36	30	27	24	35.9	122
06009	50	49	44	36	29	28	27	35.9	155
12015	50	49	46	38	31	26	24	37.7	113
18021	50	49	45	37	31	26	25	37.2	178
TOT	50	49	45	37	30	27	24	36.6	568

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.3	5.3	19.3	21.1	49.1	85	57		
06009	.0	2.7	8.2	12.3	35.6	41.1	85	73		
12015	.0	.0	18.2	7.3	20.0	54.5	85	55		
18021	.0	9.5	15.1	16.3	26.7	38.4	82	86		
TOT	0	8	32	38	72	121	84	271		

APRIL

PERIOD: (PRIMARY) 1926-1976
(OVER-ALL) 1902-1976APEA 0019 SOUTH GEORGIA
54.15 36.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	49 52	TOT	N FOG	WD FOG
7/8	.0	.0	.0	.0	.6	.3	.3	4	.0	1.3
6	.0	.0	.0	.3	1.9	.6	.6	11	1.0	2.5
5	.0	.0	.0	.6	.3	.3	.3	5	.3	1.3
4	.0	.0	.0	1.0	1.3	.0	.0	7	.6	1.6
3	.0	.0	.0	4.2	1.0	.3	.0	17	.6	4.9
2	.0	.0	1.0	7.1	2.3	.0	.0	32	1.6	8.7
1	.0	.0	.6	10.7	.6	1.0	.0	40	1.9	11.0
0	.0	1.0	6.1	6.1	1.9	.6	.0	49	1.6	14.3
-1	.0	.3	10.0	5.5	1.3	1.0	.0	56	2.6	15.6
-2	.0	.6	8.7	1.3	.0	.0	.0	33	1.9	8.8
-3	.0	.6	5.8	.6	.0	.0	.0	22	1.3	5.8
-4	.0	2.6	1.9	.0	.0	.0	.0	14	.3	4.2
-5	.0	2.3	.3	.3	.0	.0	.0	9	.0	2.9
-6	.3	1.0	.0	.0	.0	.0	.0	4	.0	1.3
-7/-8	1.0	.3	.3	.3	.0	.0	.0	6	.0	1.9
TOTAL	4	27	108	118	35	13	4	309	43	266
PCT	1.3	8.7	35.0	38.2	11.3	4.2	1.3	100.0	13.9	86.1

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3
1-2	.0	3.4	1.3	.0	.0	.0	4.7	.0	.0	1.3	.0	.0	.0	1.3
3-4	.0	1.3	3.1	.0	.0	.0	4.4	.0	1.3	.6	2.3	.0	.0	4.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.2	.0	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.3	.0	.0	.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.7	6.6	.9	.0	.0	12.2	.0	2.3	1.9	2.8	.0	.0	7.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3	.0	1.3	.0	.0	.0	.0	1.3
3-4	.0	.0	.0	.9	.0	.0	.9	.0	.0	.0	.3	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	1.3	.9	.0	.0	3.4	.0	1.3	.0	.3	.0	.0	1.6

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	1.6	.0	.0	.0	.0	1.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.3	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.5	.3	.0	.0	.0	7.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3
8-9	.0	.0	.9	.0	.0	.0	.9	.0	.0	.3	1.3	.0	.0	.0	1.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.9	.0	.9	.0	.0	.0	.0	.3	.0	.0	.3
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	3.4	.0	.9	.0	4.4	.0	.0	10.9	2.8	.3	.0	14.1	

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	1.3	
1-2	.0	2.5	3.1	.0	.0	.0	5.6	.0	1.6	2.8	.0	.0	.0	.0	4.4	
3-4	.0	.9	5.6	.0	.0	.0	6.6	.0	2.8	2.8	.0	.0	.0	.0	5.6	
5-6	.0	1.3	1.3	.9	.0	.0	3.4	.0	.0	8.8	.0	1.3	.0	.0	10.0	
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	2.8	.0	.0	.0	.0	2.8	
8-9	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	1.3	2.5	.0	.0	.0	3.8	
10-11	.0	.0	.0	.9	.9	.0	1.9	.0	.0	.0	1.6	.3	.0	.0	1.9	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	1.3	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.7	13.8	1.9	.9	.0	21.3	.0	5.6	18.4	5.3	1.6	.0	30.9	95.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.9	2.5	.0	.0	.0	.0	7.4	
1-2	1.2	9.9	12.3	.0	.0	.0	23.5	
3-4	.0	6.2	12.3	4.9	.0	.0	23.5	
5-6	.0	1.2	17.3	1.2	1.2	.0	21.0	
7	.0	.0	8.6	.0	.0	.0	8.6	
8-9	.0	.0	4.9	3.7	.0	.0	8.6	
10-11	.0	.0	.0	3.7	1.2	.0	4.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	1.2	1.2	.0	2.5	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.2	19.8	55.6	14.8	3.7	.0	100.0	81

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.4	9.5	8.4	8.4	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	5
6-7	.0	.0	4.2	2.1	3.2	1.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
8-9	.0	.0	1.1	4.2	.0	4.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	7
10-11	.0	.0	1.1	.0	1.1	2.1	3.2	1.1	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	1	25
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1	41
INDET	4.2	.0	2.1	4.2	.0	.0	4.2	2.1	4.2	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	8
TOTAL	4	7	17	18	12	10	13	3	5	4	0	1	0	0	1	0	0	0	0	95	7
PCT	4.2	7.4	17.9	18.9	12.6	10.5	13.7	3.2	5.3	4.2	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976AREA 0019 SOUTH GEORGIA
53.85 36.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNC DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	12.5	.0	.0	.0	37.5	.0	.0	50.0	.0	.0	31.3	.0	.0	.0	18.8
NE	15.4	.0	.0	.0	46.2	.0	.0	61.5	.0	.0	30.8	.0	.0	.0	7.7
E	11.1	.0	.0	.0	38.9	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
SE	22.2	.0	.0	.0	27.8	.0	.0	27.8	.0	.0	55.6	.0	.0	.0	16.7
S	.0	.0	8.7	.0	47.8	.0	.0	56.5	.0	.0	34.8	.0	.0	.0	8.7
SW	.0	.0	.0	.0	11.1	.0	.0	11.1	.0	.0	22.2	.0	.0	.0	66.7
W	.0	.0	2.6	.0	5.1	.0	5.1	12.8	.0	.0	10.3	.0	.0	.0	76.9
NW	.0	.0	8.5	.0	9.8	.0	.0	18.3	.0	.0	42.7	.0	.0	.0	39.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.3	.0	.0	.0	12.5	.0	.0	18.8	.0	.0	31.3	.0	.0	.0	50.0
TOT PCT	4.8	.0	4.0	.0	20.0	.0	.8	28.0	.0	.0	31.2	.0	.0	.0	40.8
TOT OBS	125														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG UUST BLWG SNOW	NO SIG WEA
00003	.0	.0	12.0	.0	16.0	.0	.0	28.0	.0	.0	40.0	.0	.0	.0	32.0
06009	9.3	.0	2.3	.0	27.9	.0	2.3	39.5	.0	.0	34.9	.0	.0	.0	25.6
12015	.0	.0	.0	.0	11.5	.0	.0	11.5	.0	.0	23.1	.0	.0	.0	65.4
18021	6.4	.0	4.3	.0	14.9	.0	.0	23.4	.0	.0	40.4	.0	.0	.0	36.2
TOT PCT TOT OBS:	5.0 141	.0	4.3	.0	18.4	.0	.7	27.0	.0	.0	35.5	.0	.0	.0	37.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.9	2.3	1.9	.0	.0	.0		6.1	9.0	.0	5.0	2.3	10.5	.0	6.5	4.5	11.8	
NE	.8	1.5	2.7	.0	.0	.0		4.9	9.5	.0	.0	4.5	5.3	.0	6.5	13.6	.0	
E	.0	3.8	3.0	.0	.0	.0		6.8	10.4	.0	10.0	2.3	7.9	.0	10.9	6.8	5.9	
SE	.0	3.8	3.0	.0	.0	.0		6.8	8.7	.0	15.0	13.6	.0	.0	2.2	2.3	11.8	
S	1.5	3.0	1.1	.8	2.3	.0		8.7	16.3	33.3	7.5	22.7	5.3	.0	4.3	4.5	5.9	
SW	.8	1.5	2.7	.0	.0	.0		4.9	11.6	.0	7.5	.0	5.3	.0	4.3	4.5	11.8	
W	.0	2.7	8.3	5.3	1.1	.0		17.4	19.1	33.3	7.5	15.9	13.2	75.0	19.6	18.2	8.8	
NW	3.4	8.0	11.4	6.1	2.7	.0		31.4	15.8	33.3	32.5	25.0	31.6	25.0	32.6	36.4	32.4	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	12.9							12.9	.0	.0	15.0	13.6	21.1	.0	13.0	9.1	11.8	
TOT OBS	28	35	45	16	8	0		132	12.6		3	20	22	19	6	23	22	17
TOT PCT	21.2	26.5	34.1	12.1	6.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	1.9	3.0	1.1	.0	.0		6.1	9.0	4.3	6.1	5.2	7.7	
NE	1.9	2.7	.4	.0	.0		4.9	9.5	.0	4.9	5.2	7.7	
E	1.5	4.5	.8	.0	.0		6.8	10.4	8.7	4.9	8.6	6.4	
SE	3.4	3.4	.0	.0	.0		6.8	8.7	13.0	7.3	1.7	6.4	
S	4.5	.4	1.5	1.5	.8		8.7	16.3	10.9	14.6	3.4	5.1	
SW	.8	2.7	1.5	.0	.0		4.9	11.6	6.5	2.4	3.4	7.7	
W	.4	5.3	9.8	1.5	.4		17.4	19.1	10.9	14.6	31.0	14.1	
NW	8.3	6.8	12.1	3.8	.4		31.4	15.8	32.6	28.0	31.0	34.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	12.9						12.9	.0	13.0	17.1	10.3	10.3	
TOT OBS	47	38	36	9	2	132	12.6		23	41	29	39	
TOT PCT	35.6	28.8	27.3	6.8	1.5		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

MAY

APEA 0019 SOUTH GEORGIA
53.85 36.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	13.0	.0	30.4	39.1	8.7	8.7	.0	13.4	100.0	23
06009	17.1	12.2	24.4	31.7	7.3	7.3	.0	11.7	100.0	41
12015	10.3	3.4	27.6	31.0	20.7	6.9	.0	14.3	100.0	29
18021	10.3	12.8	25.6	35.9	12.8	2.6	.0	11.8	100.0	39
TOT	17	11	35	45	16	8	0	12.6		132
PCT	12.9	8.3	26.5	34.1	12.1	6.1	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	14.3	.0		7.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	28.6	14.3		7.0
NW	.0	.0	28.6	14.3		6.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	0	0	5	2	7	6.8
TOT PCT	.0	.0	71.4	28.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	14.3	14.3	.0	.0	.0	14.3
NW	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	14.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	0	0	2	1	1	1	0	0	2	7
TOT PCT	.0	.0	.0	.0	28.6	14.3	14.3	14.3	.0	.0	28.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
>3500	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>2000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	37.5
>1000	37.5	37.5	37.5	50.0	50.0	50.0	50.0	62.5
>600	37.5	37.5	37.5	50.0	50.0	50.0	50.0	62.5
>300	37.5	50.0	50.0	62.5	62.5	62.5	62.5	75.0
>150	37.5	50.0	50.0	62.5	62.5	62.5	62.5	75.0
>0	37.5	50.0	50.0	62.5	62.5	62.5	62.5	75.0
TOTAL	3	4	4	5	5	5	5	6

TOTAL NUMBER OF OBS: 8

PCT FREQ NH <5/8: 25.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.0	.0	.0	12.5	12.5	.0	.0	37.5	37.5	.0	8

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

MAY

AREA 0019 SOUTH GEORGIA
53.85 36.0W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.4	1.2	.0	.8	.0	.0	3.3	.0	.8	6.4	
	NO PCP	.8	1.7	.0	1.7	.8	.0	.0	1.7	.0	.0	6.6	
	TOT %	.8	2.1	1.2	1.7	1.7	.0	.0	5.0	.0	.8	13.2	
1/2<1	PCP	.4	1.2	.8	.0	.8	.0	.0	.8	.0	.8	5.0	
	NO PCP	.0	.0	.0	1.7	2.5	.8	.0	3.3	.0	3.3	11.6	
	TOT %	.4	1.2	.8	1.7	3.3	.8	.0	4.1	.0	4.1	16.5	
1<2	PCP	1.7	.4	.4	.0	.0	.0	.0	1.7	.0	.0	4.1	
	NO PCP	.0	.0	1.2	1.2	.0	.8	.8	.8	.0	2.5	7.4	
	TOT %	1.7	.4	1.7	1.2	.0	.8	.8	2.5	.0	2.5	11.6	
2<5	PCP	.0	.0	1.2	1.2	1.2	.4	.0	.0	.0	.0	4.1	
	NO PCP	.0	.0	.0	.0	.0	.0	1.7	1.7	.0	.8	4.1	
	TOT %	.0	.0	1.2	1.2	1.2	.4	1.7	1.7	.0	.8	8.3	
5<10	PCP	1.2	1.2	.0	.0	.8	.0	2.1	.4	.0	1.7	7.4	
	NO PCP	2.5	.4	1.7	.8	.0	.8	9.5	14.9	.0	1.7	32.2	
	TOT %	3.7	1.7	1.7	.8	.8	.8	11.6	15.3	.0	3.3	39.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.8	.0	.8	.8	2.1	4.5	.0	1.7	10.7	
	TOT %	.0	.0	.8	.0	.8	.8	2.1	4.5	.0	1.7	10.7	
TOT OBS													121
TOT PCT		6.6	5.4	7.4	6.6	7.9	3.7	16.1	33.1	.0	13.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	1.7	
	4-10	.8	1.2	1.2	.0	.8	.0	.0	.8	.0	.0	5.0	
	11-21	.0	.0	.0	1.7	.0	.0	.0	3.3	.0	.0	5.0	
	22+	.0	.0	.0	.0	.8	.0	.0	.8	.0	.0	1.7	
	TOT %	.8	2.1	1.2	1.7	1.7	.0	.0	5.0	.0	.8	13.2	
1/2<1	0-3	.0	.0	.0	.0	1.7	.8	.0	.0	.0	4.1	6.6	
	4-10	.0	.0	.0	1.7	.8	.0	.0	.8	.0	.0	3.3	
	11-21	.4	1.2	.8	.0	.0	.0	.0	1.7	.0	.0	4.1	
	22+	.0	.0	.0	.0	.8	.0	.0	1.7	.0	.0	2.5	
	TOT %	.4	1.2	.8	1.7	3.3	.8	.0	4.1	.0	4.1	16.5	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	2.5	3.3	
	4-10	.8	.4	1.7	1.2	.0	.0	.8	.8	.0	.0	5.8	
	11-21	.8	.0	.0	.0	.0	.8	.0	.8	.0	.0	2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	1.7	.4	1.7	1.2	.0	.8	.8	2.5	.0	2.5	11.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.8	.0	.8	1.7	
	4-10	.0	.0	.4	.4	.0	.0	.8	.0	.0	.0	1.7	
	11-21	.0	.0	.8	.8	1.2	.4	.8	.0	.0	.0	4.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	
	TOT %	.0	.0	1.2	1.2	1.2	.4	1.7	1.7	.0	.8	8.3	
5<10	0-3	2.1	.0	.0	.0	.0	.0	.0	2.1	.0	3.3	7.4	
	4-10	.8	.0	.8	.8	.8	.8	1.2	2.9	.0	.0	8.3	
	11-21	.8	1.7	.8	.0	.0	.0	6.2	5.4	.0	.0	14.9	
	22+	.0	.0	.0	.0	.0	.0	4.1	5.0	.0	.0	9.1	
	TOT %	3.7	1.7	1.7	.8	.8	.8	11.6	15.3	.0	3.3	39.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	
	4-10	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	2.5	
	11-21	.0	.0	.8	.0	.0	.8	1.2	1.2	.0	.0	4.1	
	22+	.0	.0	.0	.0	.8	.0	.8	.8	.0	.0	2.5	
	TOT %	.0	.0	.8	.0	.8	.8	2.1	4.5	.0	1.7	10.7	
TOT OBS													121
TOT PCT		6.6	5.4	7.4	6.6	7.9	3.7	16.1	33.1	.0	13.2	100.0	

MAY

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976AREA 0019 SOUTH GEORGIA
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	0/0 149	1/0 299	3/0 599	6/0 999	10/0 1999	20/0 3999	30/0 4999	50/0 6499	65/0 7999	80/0+ 8000+	TOTAL OBS	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	50.0	.0	50.0	.0	.0	.0	100.0	.0	2
18021	.0	.0	20.0	.0	20.0	20.0	.0	20.0	.0	.0	80.0	20.0	5
TOT PCT	0 .0	0 .0	1 12.5	0 .0	2 25.0	1 12.5	1 12.5	1 12.5	0 .0	0 .0	6 75.0	2 25.0	8 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	20.8	20.8	12.5	8.3	33.3	4.2	24
06009	14.6	14.6	9.8	9.8	51.2	.0	41
12015	.0	3.8	3.8	3.8	53.8	34.6	26
18021	15.2	19.6	15.2	6.5	37.0	6.5	46
TOT PCT	18 13.1	21 15.3	15 10.9	10 7.3	60 43.8	13 9.5	137 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	100.0	.0	.0	1
06009	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	100.0	.0	2
18021	20.0	40.0	40.0	20.0	20.0	5
TOT PCT	1 12.5	2 25.0	4 50.0	3 37.5	1 12.5	8 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
45/49	.0	.0	.0	.0	.0	.0	.0	1.6	1	1.6
40/44	.0	.0	.0	.0	.0	.0	1.6	8.1	6	9.7
35/39	.0	.0	.0	.0	.0	.0	3.2	32.3	22	35.5
30/34	.0	.0	.0	.0	.0	.0	6.5	24.2	19	30.6
25/29	.0	.0	.0	.0	.0	4.8	1.6	12.9	12	19.4
20/24	.0	.0	.0	.0	.0	.0	.0	3.2	2	3.2
TOTAL	0	0	0	0	0	3	8	51	62	100.0
PCT	.0	.0	.0	.0	.0	4.8	12.9	82.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.8	.8	.0	.0
.0	.0	.0	.0	.0	.0	1.6	8.1	.0	.0
1.6	3.2	.0	.0	.0	.0	10.5	18.5	.0	1.6
.8	4.0	1.6	1.6	6.5	.0	4.8	11.3	.0	.0
1.6	.0	.0	1.6	3.2	1.6	8.1	1.6	.0	1.6
.8	.0	.0	.0	.0	.0	2.4	.0	.0	.0
4.8	7.3	1.6	3.2	9.7	1.6	25.8	42.7	.0	3.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	44	43	40	32	26	22	22	32.5	26
06009	45	44	37	31	23	21	21	30.9	44
12015	43	42	41	32	29	28	28	33.1	35
18021	40	39	39	33	27	24	24	32.6	50
TOT	45	44	40	32	24	22	21	32.2	135

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	.0	8.3	8.3	83.3	94	12
06009	.0	.0	.0	.0	.0	9.1	4.5	86.4	95	22
12015	.0	.0	.0	.0	.0	31.3	68.8	94	16	16
18021	.0	.0	3.8	.0	.0	11.5	84.6	94	26	26
TOT	0	0	1	3	10	62	94	76		

PERIOD: (PRIMARY) 1927-1976
(OVER-ALL) 1922-1976

MAY

AREA 0019 SOUTH GEORGIA
53.85 36.0W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	TOT FOG	W FOG	NO FOG
2	.0	.0	.0	8.9	5	1.8	7.1
1	1.8	.0	3.6	.0	3	1.8	3.6
0	.0	1.8	14.3	3.6	11	8.9	10.7
-1	.0	12.5	17.9	.0	17	10.7	19.6
-2	.0	7.1	8.9	.0	9	.0	16.1
-3	.0	3.6	.0	.0	3	.0	5.4
-4	1.8	1.8	.0	.0	2	.0	3.6
-5	5.4	1.8	.0	.0	4	.0	7.1
-6	.0	3.6	.0	.0	2	.0	3.6
TOTAL	5	19	25	7	56	13	43
PCT	8.9	33.9	44.6	12.5	100.0	23.2	76.8

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0019 SOUTH GEORGIA
93.85 36.0K

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	100.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	100.0	.0	.0	100.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	100.0	.0	.0	100.0	1

PERIOD: (OVER-ALL) 1953-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6-7	.0	.0	.0	20.0	40.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	.0	.0	.0	1	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	5	8
PCT	.0	.0	.0	20.0	40.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966

JUNE

TABLE 1

AREA 0019 SOUTH GEORGIA
53.55 37.3W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	72.7	.0	.0	.0	36.4	.0	.0	72.7	27.3	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	80.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	50.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0
W	.0	.0	.0	.0	20.0	.0	.0	20.0	.0	.0	.0	.0	.0	80.0
NW	.0	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	20.0	.0	.0	.0	30.0	.0	.0	40.0	10.0	.0	.0	.0	.0	50.0
TOT OBS	10													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
00003	50.0	.0	.0	.0	50.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0
06009	.0	.0	.0	.0	50.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0
12015	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	50.0
18021	.0	.0	.0	.0	25.0	.0	.0	25.0	25.0	.0	.0	.0	.0	50.0
TOT PCT	20.0	.0	.0	.0	30.0	.0	.0	40.0	10.0	.0	.0	.0	.0	50.0
TOT OBS	10													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-23	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	21.2	.0		21.2	38.9	50.0	.0	.0	.0	50.0	.0	18.8	.0	.0
SE	.0	.0	.0	7.7	1.9	.0		9.6	32.8	.0	.0	.0	.0	50.0	.0	6.3	.0	.0
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	3.8	15.4	.0	.0	.0		19.2	14.2	.0	.0	33.3	50.0	.0	.0	25.0	.0	.0
W	.0	19.2	7.7	7.7	5.8	.0		40.4	18.3	50.0	.0	33.3	50.0	.0	100.0	43.8	.0	.0
NW	.0	.0	7.7	.0	1.9	.0		9.6	22.4	.0	.0	33.3	.0	.0	.0	6.3	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	3	4	2	4	0		13	23.6	2	0	3	1	2	1	4	0	0
TOT PCT	.0	23.1	30.8	15.4	30.8	.0		100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40						00	06	12	18
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
E	.0	.0	.0	15.4	5.8	.0		21.2	38.9	50.0	.0	33.3	18.8
SE	.0	.0	.0	7.7	1.9	.0		9.6	32.8	.0	.0	33.3	6.3
S	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
SW	.0	11.5	7.7	.0	.0	.0		19.2	14.2	.0	37.5	.0	25.0
W	7.7	11.5	7.7	13.5	.0	.0		40.4	18.3	50.0	37.5	33.3	43.8
NW	.0	.0	7.7	1.9	.0	.0		9.6	22.4	.0	25.0	.0	6.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
TOT OBS	1	3	3	5	1	13		23.6		2	4	3	4
TOT PCT	7.7	23.1	23.1	38.5	7.7			100.0		100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966AREA 0019 SOUTH GEORGIA
53.55 37.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	50.0	.0	.0	50.0	.0	23.0	100.0	2
06009	.0	.0	50.0	50.0	.0	.0	.0	12.5	100.0	4
12015	.0	.0	.0	33.3	33.3	33.3	.0	28.3	100.0	3
18021	.0	.0	.0	25.0	25.0	50.0	.0	31.7	100.0	4
TOT	0	0	3	4	2	4	0	23.6		13
PCT	.0	.0	23.1	30.8	15.4	30.8	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	34.4	8.0	.0
SE	.0	.0	.0	13.6	8.0	.0
S	.0	.0	.0	.0	.0	.0
SW	.0	12.5	.0	.0	4.0	.0
W	.0	25.0	12.5	.0	5.0	.0
NW	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0
TOT OBS	0	3	1	4	8	6.3
TOT PCT	.0	37.5	12.5	50.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	9.4	.0	.0	.0	25.0	.0	.0	.0	.0	.0
SE	.0	.0	3.1	.0	12.5	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
W	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	25.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	1	0	0	0	1	0	0	0	3	8
TOT PCT	.0	.0	12.5	.0	12.5	.0	37.5	.0	.0	.0	37.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	12.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
>2000	12.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
>1000	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
>600	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
>300	25.0	50.0	62.5	62.5	62.5	62.5	62.5	62.5
>150	25.0	50.0	62.5	62.5	62.5	62.5	62.5	62.5
>0	25.0	50.0	62.5	62.5	62.5	62.5	62.5	62.5
TOTAL	2	4	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 8

PCT FREQ NH <5/8: 37.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	.0	.0	.0	.0	40.0	.0	.0	10.0	50.0	.0	10

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966

JUNE

AREA 0019 SOUTH GEORGIA
53.55 37.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
5<10	PCP	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	20.0	.0
10+	PCP	.0	.0	10.0	.0	.0	10.0	.0	.0	.0	.0	20.0	.0
	NO PCP	.0	.0	.0	10.0	.0	10.0	20.0	.0	.0	.0	40.0	.0
	TOT %	.0	.0	10.0	10.0	.0	20.0	20.0	.0	.0	.0	60.0	.0
TOT OBS													10
TOT PCT		.0	.0	27.5	12.5	.0	20.0	37.5	2.5	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	7.5	2.5	.0	.0	10.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	7.5	2.5	.0	.0	.0	.0	.0	.0	10.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	20.0	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	10.0	.0
	11-21	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	20.0	.0
	22+	.0	.0	10.0	10.0	.0	.0	10.0	.0	.0	.0	30.0	.0
	TOT %	.0	.0	10.0	10.0	.0	20.0	20.0	.0	.0	.0	40.0	.0
TOT OBS													10
TOT PCT		.0	.0	27.5	12.5	.0	20.0	37.5	2.5	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966AREA 0019 SOUTH GEORGIA
53.55 37.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	.0	2
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	.0	50.0	.0	50.0	.0	.0	.0	100.0	.0	2
18021	.0	.0	33.3	.0	.0	.0	.0	.0	.0	.0	33.3	66.7	3
TOT	0	0	1	0	1	0	3	0	0	0	5	4	9
PCT	.0	.0	11.1	.0	11.1	.0	33.3	.0	.0	.0	55.6	44.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	.0	2
06009	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	.0	.0	100.0	2
18021	.0	.0	25.0	25.0	.0	50.0	4
TOT	0	0	1	1	2	6	10
PCT	.0	.0	10.0	10.0	20.0	60.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	100.0	.0	2
06009	.0	.0	.0	.0	100.0	1
12015	.0	.0	.0	100.0	.0	2
18021	.0	33.3	33.3	.0	66.7	3
TOT	0	1	1	4	3	8
PCT	.0	12.5	12.5	50.0	37.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
35/39	.0	.0	.0	.0	.0	11.1	.0	11.1	2	22.2
30/34	.0	.0	.0	.0	.0	.0	22.2	55.6	7	77.8
TOTAL	0	0	0	0	0	1	2	6	9	100.0
PCT	.0	.0	.0	.0	.0	11.1	22.2	66.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
35/39	.0	.0	11.1	11.1	.0	.0	.0	.0	.0	.0
30/34	.0	.0	19.4	2.8	.0	22.2	30.6	2.8	.0	.0
18021	.0	.0	30.6	13.9	.0	22.2	30.6	2.8	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	34	34	34	34	34	34	34	34.0	2
06009	39	38	38	32	31	31	31	33.5	4
12015	35	34	34	34	32	32	32	34.0	3
18021	34	33	33	33	32	32	32	33.3	4
TOT	39	38	38	34	31	31	31	33.6	13

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	.0	100.0	100	2
06009	.0	.0	.0	.0	100.0	.0	89	1
12015	.0	.0	.0	50.0	.0	50.0	81	2
18021	.0	.0	.0	.0	25.0	75.0	95	4
TOT	0	0	0	1	2	6	42	9

JUNE

PERIOD: (PRIMARY) 1910-1966
(OVER-ALL) 1902-1966AREA 0019 SOUTH GEORGIA
53.55 37.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	TOT	W FOG	NO FOG
1	.0	20.0	2	.0	20.0
0	.0	20.0	2	.0	20.0
-1	20.0	10.0	3	.0	30.0
-2	10.0	10.0	2	.0	20.0
-4	.0	10.0	1	.0	10.0
TOTAL	3	7	10	0	10
PCT	30.0	70.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1966

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														

TOT PCT

INSUFFICIENT DATA

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														

TOT PCT

INSUFFICIENT DATA

PERIOD: (OVER-ALL) 1963-1966

JUNE

AREA 0019 SOUTH GEORGIA
53.55 57.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	S 22-33	34-47	48+	PCT	1-3	4-10	11-21	SW 22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														
TOT PCT														

INSUFFICIENT DATA

HGT	1-3	4-10	11-21	W 22-33	34-47	48+	PCT	1-3	4-10	11-21	NW 22-33	34-47	48+	PCT	TOTAL PCT
<1															
1-2															
3-4															
5-6															
7															
8-9															
10-11															
12															
13-16															
17-19															
20-22															
23-25															
26-32															
33-40															
41-48															
49-60															
61-70															
71-86															
87+															
TOT PCT															

INSUFFICIENT DATA

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1								
1-2								
3-4								
5-6								
7								
8-9								
10-11								
12								
13-16								
17-19								
20-22								
23-25								
26-32								
33-40								
41-48								
49-60								
61-70								
71-86								
87+								
TOT PCT								

INSUFFICIENT DATA

PERIOD: (OVER-ALL) 9999-1966

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6																					
6-7																					
8-9																					
10-11																					
12-13																					
>13																					
INDEX																					
TOTAL																					

INSUFFICIENT DATA

JULY

PERIOD: (PRIMARY) 1952-1952
(OVER-ALL) 1952-1952APEA 0019 SOUTH GEORGIA
53.05 36.0W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL PCPN	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FUG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	1														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL PCPN	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FUG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1200	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT OBS:	1														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	18.0	.0	.0	.0	.0	.0	100.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	1	0	0	0	0	1		18.0	.0	0	0	0	0	0	1	0
TOT PCT	.0	.0	100.0	.0	.0	.0	.0		100.0		.0	.0	.0	.0	.0	100.0	.0	.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	100.0	.0	.0	.0	100.0	18.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0					.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	1	0	0	1	100.0	18.0	0	0	0	1
TOT PCT	.0	.0	100.0	.0	.0	.0	100.0		.0	.0	.0	100.0

AREA 0019 SOUTH GEORGIA
53.05 36.04

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00103	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
06109	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12115	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18121	.0	.0	.0	100.0	.0	.0	.0	18.0	100.0	1
TOT	0	0	0	1	0	0	0	18.0		1
PCT	.0	.0	.0	100.0	.0	.0	.0		100.0	

TABLE A

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH $\geq 4/8$)
AND OCCURRENCE OF NH $\leq 5/8$ BY WIND DIRECTION

[illegible]

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH 54/8) AND VSBY (NH)

CEILING (FEET)	VS3Y (NM)							
	■ OR ■ >10	■ OR ■ >5	■ OR ■ >2	■ OR ■ >1	■ OR ■ >1/2	■ OR ■ >1/4	■ OR ■ >50YD	■ OR ■ >0
■ OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >1000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >600	.0	.0	.0	.0	.0	.0	.0	.0
■ OR >300	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0
■ OR >150	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0
■ OR >0	.0	.0	100.0	100.0	100.0	100.0	100.0	100.0
TOTAL	0	0	1	1	1	1	1	1

TOTAL NUMBER OF OBS: 1 PCT FREQ NH <5/8: .0

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL CBS
.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	1

JULY

PERIOD: (PRIMARY) 1952-1952
(OVER-ALL) 1952-1952

TABLE 8

AREA 0019 SOUTH GEORGIA
53.05 36.0WPERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS													1
TOT PCT		.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS													1
TOT PCT		.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1952-1952
(OVER-ALL) 1952-1952

TABLE 10

AREA 0019 SOUTH GEORGIA
93.05 96.04PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	1
TOT	0	0	1	0	0	0	0	0	0	0	1	0	1
PCT	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	100.0	.0	.0	1
TOT	0	0	0	1	0	0	1
PCT	.0	.0	.0	100.0	.0	.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	.0	0
06009	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	0
18021	.0	100.0	100.0	.0	.0	1
TOT	0	1	1	0	0	1
PCT	.0	100.0	100.0	.0	.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
30/34	.0	.0	.0	.0	.0	.0	100.0	.0	1	100.0
TOTAL	0	0	0	0	0	0	1	0	1	100.0
PCT	.0	.0	.0	.0	.0	.0	100.0	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003		0	0	0	0	999			0
06009		0	0	0	0	999			0
12015		0	0	0	0	999			0
18021	30	30	30	30	30	30	30	30.0	1
TOT	30	30	30	30	30	30	30	30.0	1

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003										0
06009										0
12015										0
18021	.0	.0	.0	.0	100.0	.0	89	1		1
TOT	0	0	0	0	1	0	89	1		1

JULY

PERIOD: (PRIMARY) 1952-1952
(OVER-ALL) 1952-1952

AREA 0019 SOUTH GEORGIA
53.05 36.04

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	TOT	N FOG	WG FOG
-2	100.0	1	.0	100.0
TOTAL	1	1	0	1
PCT	100.0	100.0	100.0	100.0

PERIOD: (OVER-ALL) 1963-1962

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														

INSUFFICIENT DATA

TOT PCT

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														

INSUFFICIENT DATA

TOT PCT

PERIOD: (OVER-ALL) 1963-1952

JULY

AREA 0019 SOUTH GEORGIA
53.05 36.0W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														
TOT PCT														

INSUFFICIENT DATA

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1															
1-2															
3-4															
5-6															
7															
8-9															
10-11															
12															
13-16															
17-19															
20-22															
23-25															
26-32															
33-40															
41-48															
49-60															
61-70															
71-86															
87+															
TOT PCT															

INSUFFICIENT DATA

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1								
1-2								
3-4								
5-6								
7								
8-9								
10-11								
12								
13-16								
17-19								
20-22								
23-25								
26-32								
33-40								
41-48								
49-60								
61-70								
71-86								
87+								
TOT PCT								

INSUFFICIENT DATA

PERIOD: (OVER-ALL) 9999-1952

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6																					
6-7																					
8-9																					
10-11																					
12-13																					
>13																					
INDET																					
TOTAL																					

INSUFFICIENT DATA

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AUGUST

AREA 0019 SOUTH GEORGIA
54.15 36.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRFL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THUR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	100.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	20.0	20.0	.0	.0	40.0	20.0	.0	.0	.0	.0	.0	40.0
SE	.0	.0	.0	.0	36.4	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
S	.0	.0	.0	.0	28.6	.0	.0	28.6	.0	.0	28.6	.0	.0	.0	42.9
SW	28.6	.0	.0	.0	28.6	.0	.0	28.6	.0	.0	57.1	.0	.0	.0	14.3
W	.0	.0	.0	.0	30.0	.0	.0	30.0	.0	.0	30.0	.0	.0	.0	40.0
NW	.0	.0	.0	.0	14.3	.0	.0	14.3	28.6	.0	14.3	.0	.0	.0	42.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0
TOT PCT	3.1	.0	.0	3.1	37.5	.0	.0	40.6	6.3	.0	18.8	.0	.0	.0	34.4
TOT OBS:	32														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRFL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	.0	.0	.0	.0	57.1	.0	.0	57.1	.0	.0	28.6	.0	.0	.0	14.3
0600	.0	.0	.0	11.1	.0	.0	.0	11.1	.0	.0	44.4	.0	.0	.0	44.4
1200	12.5	.0	.0	.0	50.0	.0	.0	50.0	12.5	.0	.0	.0	.0	.0	37.5
1800	.0	.0	.0	.0	50.0	.0	.0	50.0	12.5	.0	.0	.0	.0	.0	37.5
TOT PCT	3.1	.0	.0	3.1	37.5	.0	.0	40.6	6.3	.0	18.8	.0	.0	.0	34.4
TOT OBS:	32														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	0-3	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
		4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	2.1	3.1	.0	.0	.0		5.2	11.6	.0	.0	10.0	30.0	.0	.0	.0	.0	.0
NE	.0	.0	11.5	.0	2.1	.0		13.5	19.6	.0	.0	.0	10.0	28.6	25.0	33.3	14.3	.0
E	7.3	6.3	2.1	2.1	.0	.0		17.7	7.5	.0	.0	30.0	10.0	28.6	50.0	.0	14.3	.0
SE	1.0	2.1	5.2	4.2	.0	.0		12.5	17.2	50.0	20.0	2.5	10.0	3.6	.0	33.3	.0	.0
S	.0	4.2	3.1	.0	.0	.0		7.3	12.4	.0	20.0	17.5	.0	10.7	.0	.0	.0	.0
SW	.0	4.2	3.1	.0	.0	.0		7.3	10.4	.0	.0	10.0	20.0	14.3	.0	.0	.0	7.1
W	.0	9.4	8.3	.0	.0	.0		17.7	10.6	12.5	30.0	10.0	10.0	14.3	12.5	.0	50.0	.0
NW	.0	9.4	3.1	2.1	.0	.0		14.6	12.0	12.5	10.0	20.0	10.0	.0	12.5	33.3	14.3	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.2							4.2	.0	25.0	20.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	6	18	19	4	1	0	48		12.0	4	5	10	5	7	4	6	7	7
TOT PCT	12.5	37.5	39.6	8.3	2.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	.0	5.2	.0	.0	.0	.0		5.2	11.6	.0	16.7	.0	.0
NE	.0	5.2	6.3	2.1	.0	.0		13.5	19.6	.0	3.3	27.3	23.1
E	9.4	6.3	2.1	.0	.0	.0		17.7	7.5	.0	23.3	36.4	7.7
SE	1.0	4.7	6.8	.0	.0	.0		12.5	17.2	33.3	5.0	2.3	15.4
S	.0	5.7	1.6	.0	.0	.0		7.3	12.4	11.1	11.7	6.8	.0
SW	.0	7.3	.0	.0	.0	.0		7.3	10.4	.0	13.3	9.1	3.8
W	6.3	7.3	4.2	.0	.0	.0		17.7	10.6	22.2	10.0	13.6	26.9
NW	6.3	4.2	2.1	2.1	.0	.0		14.6	12.0	11.1	16.7	4.5	23.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	4.2							4.2	.0	22.2	.0	.0	.0
TOT OBS	13	22	11	2	0	48			12.0	9	15	11	13
TOT PCT	27.1	45.8	22.9	4.2	.0			100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963

AUGUST

AREA 0019 SOUTH GEORGIA
54.15 36.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	22.2	.0	44.4	22.2	11.1	.0	.0	10.8	100.0	9
06009	.0	13.3	40.0	40.0	6.7	.0	.0	10.4	100.0	15
12015	.0	18.2	45.5	27.3	.0	9.1	.0	11.3	100.0	11
18021	.0	.0	23.1	61.5	15.4	.0	.0	15.3	100.0	13
TOT	2	4	18	19	4	1	0	12.0		48
PCT	4.2	8.3	37.5	39.6	8.3	2.1	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	.0	.0	7.1	21.4		7.7
SE	3.6	.0	7.1	21.4		7.0
S	10.7	.0	.0	.0		1.0
SW	.0	.0	.0	7.1		8.0
W	.0	.0	.0	7.1		8.0
NW	.0	.0	7.1	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	7.1		8.0
TOT OBS	2	0	3	9	14	6.7
TOT PCT	14.3	.0	21.4	64.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	21.4	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	.0	3.6
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.7
SW	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	3	0	0	0	9	0	0	0	0	0	2	14
TOT PCT	21.4	.0	.0	.0	64.3	.0	.0	.0	.0	.0	14.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >1000	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
= OR >600	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
= OR >300	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
= OR >150	50.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
= OR >0	50.0	64.3	64.3	64.3	71.4	78.6	85.7	85.7
TOTAL	7	9	9	9	10	11	12	12

TOTAL NUMBER OF OBS: 14

PCT FREQ NH <5/8: 14.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
7.1	.0	7.1	.0	.0	.0	.0	21.4	42.9	14

AUGUST

PERIOD: (PRIMARY) 1928-1963
(OVER-ALL) 1928-1963AREA 0019 SOUTH GEORGIA
34.15 36.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	3.6	.0	.0	.0	3.6	7.1	.0
	TOT %	.0	.0	.0	.0	.0	3.6	.0	.0	.0	3.6	7.1	.0
1/2<1	PCP	.0	1.8	5.4	.0	.0	3.6	1.8	1.8	.0	.0	14.3	.0
	NO PCP	.0	.0	.0	.0	3.6	.0	1.8	1.8	.0	.0	7.1	.0
	TOT %	.0	1.8	5.4	.0	3.6	3.6	3.6	3.6	.0	.0	21.4	.0
1<2	PCP	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0
2<5	PCP	.0	.0	.0	1.8	1.8	.0	3.6	.0	.0	.0	7.1	.0
	NO PCP	.0	.0	.0	.0	.0	1.8	1.8	.0	.0	.0	3.6	.0
	TOT %	.0	.0	.0	1.8	1.8	1.8	5.4	.0	.0	.0	10.7	.0
5<10	PCP	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	3.6	.0
	NO PCP	.0	.0	3.6	.9	2.7	3.6	5.4	5.4	.0	.0	21.4	.0
	TOT %	.0	.0	3.6	4.5	2.7	3.6	5.4	5.4	.0	.0	25.0	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	7.1	11.6	2.7	.0	3.6	3.6	.0	.0	28.6	.0
	TOT %	.0	.0	7.1	11.6	2.7	.0	3.6	3.6	.0	.0	28.6	.0
TOT OBS													28
TOT PCT		.0	8.9	16.1	17.9	10.7	12.5	17.9	12.5	.0	3.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.6	3.6	.0
	4-10	.0	.0	.0	.0	.0	3.6	.0	.0	.0	.0	3.6	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	3.6	.0	.0	.0	3.6	7.1	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	3.6	.0	3.6	3.6	3.6	3.6	.0	.0	17.9	.0
	11-21	.0	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	3.6	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	1.8	3.6	.0	3.6	3.6	3.6	3.6	.0	.0	21.4	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	1.8	1.8	.0	.0	.0	.0	.0	3.6	.0
	11-21	.0	.0	.0	.0	.0	1.8	5.4	.0	.0	.0	7.1	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	1.8	1.8	1.8	5.4	.0	.0	.0	10.7	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	3.6	.0	.0	3.6	.0
	11-21	.0	.0	.0	.9	2.7	3.6	5.4	1.8	.0	.0	14.3	.0
	22+	.0	.0	3.6	3.6	.0	.0	.0	.0	.0	.0	7.1	.0
	TOT %	.0	.0	3.6	4.5	2.7	3.6	5.4	3.6	.0	.0	25.0	.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	7.1	.0	.0	.0	3.6	3.6	.0	.0	14.3	.0
	11-21	.0	.0	.0	8.0	2.7	.0	.0	.0	.0	.0	10.7	.0
	22+	.0	.0	.0	3.6	.0	.0	.0	.0	.0	.0	3.6	.0
	TOT %	.0	.0	7.1	11.6	2.7	.0	3.6	3.6	.0	.0	28.6	.0
TOT OBS													28
TOT PCT		.0	8.9	16.1	17.9	10.7	12.5	17.9	12.5	.0	3.6	100.0	

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PERIOD: (PRIMARY) 1928-1963
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54.15 36.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	289	599	999	1999	3499	4999	6499	7999				
00203	33.3	.0	.0	.0	66.7	.0	.0	.0	.0	.0	100.0	.0	3
06209	50.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	75.0	25.0	4
12215	.0	.0	.0	.0	75.0	.0	.0	.0	.0	.0	75.0	25.0	4
18221	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	3
TOT	3	0	0	0	9	0	0	0	0	0	12	2	14
PCT	21.4	.0	.0	.0	64.3	.0	.0	.0	.0	.0	85.7	14.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL
(GMT)							OBS
00203	16.7	16.7	.0	33.3	16.7	16.7	6
06209	11.1	22.2	.0	.0	66.7	.0	9
12215	.0	28.6	14.3	.0	.0	57.1	7
18221	.0	16.7	16.7	16.7	.0	50.0	6
TOT	2	6	2	3	7	8	28
PCT	7.1	21.4	7.1	10.7	25.0	28.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HR	<150	<600	<1000	1000+	NH <5/8 AND 5+	TOTAL
(GMT)	<50YD	<1	<5	AND 5+		OBS
00203	33.3	33.3	33.3	66.7	.0	3
06209	50.0	50.0	50.0	25.0	25.0	4
12215	.0	.0	.0	75.0	25.0	4
18221	.0	.0	.0	100.0	.0	3
TOT	3	3	3	9	2	14
PCT	21.4	21.4	21.4	64.3	14.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
									OBS	FREQ
30/34	.0	.0	.0	.0	.0	.0	5.0	25.0	6	30.0
25/29	.0	.0	.0	5.0	15.0	5.0	15.0	15.0	11	55.0
20/24	.0	.0	.0	.0	.0	15.0	.0	.0	3	15.0
TOTAL	0	0	0	1	3	4	4	8	20	100.0
PCT	.0	.0	.0	5.0	15.0	20.0	20.0	40.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.5	10.0	2.5	2.5	2.5	5.0	.0	5.0	.0	.0
.0	5.0	20.0	7.5	7.5	.0	5.0	5.0	.0	5.0
.0	.0	.0	15.0	.0	.0	.0	.0	.0	.0
2.5	15.0	22.5	25.0	10.0	5.0	5.0	10.0	.0	5.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00203	33	32	32	30	24	24	24	29.5	10
06209	34	33	33	31	25	25	25	30.6	16
12215	33	32	32	29	26	26	26	29.4	14
18221	33	32	32	30	24	24	24	30.0	16
TOT	34	33	33	30	24	24	24	29.9	56

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00203	.0	.0	.0	40.0	.0	50.0	87	4
06209	.0	.0	16.7	16.7	16.7	50.0	86	6
12215	.0	20.0	40.0	.0	20.0	20.0	73	5
18221	.0	.0	.0	20.0	40.0	40.0	87	5
TOT	0	1	3	4	4	8	83	20

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54.1S 96.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	21 24	25 28	29 32	33 36	TOT	N FOG	NO FOG
2	.0	.0	.0	7.4	2	.0	7.4
1	.0	.0	7.4	3.7	3	.0	11.1
0	.0	.0	3.7	.0	1	.0	3.7
-1	.0	.0	22.2	.0	6	11.1	11.1
-2	.0	.0	7.4	.0	2	.0	7.4
-4	.0	3.7	.0	.0	1	.0	3.7
-5	.0	23.9	.0	.0	7	3.7	22.2
-6	.0	7.4	.0	.0	2	.0	7.4
-7/-8	11.1	.0	.0	.0	3	.0	11.1
TOTAL	3	10	11	3	27	4	23
PCT	11.1	37.0	40.7	11.1	100.0	14.8	85.2

PERIOD: (OVER-ALL) 1963-1963

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	7.7	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.7	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	7.7	.0	.0	.0	.0	.0	7.7	.0	.0	1.9	.0	.0	.0	1.9	.0
5-6	.0	.0	.0	7.7	.0	.0	.0	7.7	.0	.0	15.4	15.4	.0	.0	30.8	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	.0	1.9
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	23.1	.0	7.7	.0	.0	.0	30.8	.0	.0	19.2	15.4	.0	.0	.0	34.6

PERIOD: (OVER-ALL) 1963-1963

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54.15 36.94

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	7.7
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	5.8	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	5.8	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	11.5	.0	.0	.0	11.5	.0	7.7	.0	.0	.0	.0	7.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	7.7	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	7.7	92.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	7.7	15.4	.0	.0	.0	.0	23.1	.0
1-2	.0	15.4	.0	.0	.0	.0	15.4	.0
3-4	.0	7.7	7.7	.0	.0	.0	15.4	.0
5-6	.0	.0	15.4	23.1	.0	.0	38.5	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	7.7	.0	.0	.0	7.7	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	7.7	38.5	30.8	23.1	.0	.0	100.0	13

PERIOD: (OVER-ALL) 1963-1963

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
6-7	.0	.0	14.3	35.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
8-9	.0	7.1	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	21.4	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	1
TOTAL	3	3	2	5	.0	.0	.0	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
PCT	21.4	21.4	14.3	35.7	.0	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.65 36.7W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
N	.0	.0	.0	.0	66.7	.0	.0	66.7	.0	.0	33.3	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	50.0
SE	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	.0	.0	.0	75.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	9.8	.0	9.8	7.3	.0	26.8	.0	.0	39.0	.0	.0	34.1
NW	.0	.0	.0	.0	32.4	2.7	.0	35.1	.0	.0	32.4	.0	.0	32.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.9	.0	20.6	2.9	.0	26.5	.0	.0	29.4	.0	.0	44.1
TOT OBS:	34													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40.0	.0	.0	60.0
06009	.0	.0	16.7	.0	33.3	.0	.0	50.0	.0	.0	16.7	.0	.0	33.3
12015	.0	.0	.0	.0	36.4	.0	.0	36.4	.0	.0	27.3	.0	.0	36.4
18021	.0	.0	.0	.0	7.7	7.7	.0	15.4	.0	.0	30.8	.0	.0	59.8
TOT PCT	.0	.0	2.9	.0	20.0	2.9	.0	25.7	.0	.0	28.6	.0	.0	45.7
TOT OBS:	35													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	7.1	.0	.0	.0		7.1	15.0		.0	.0	20.0	.0	.0	25.0	11.1	.0
NE	.0	.0	2.4	.0	.0	.0		2.4	13.0		.0	.0	.0	.0	.0	.0	.0	25.0
E	2.4	7.1	.0	.0	.0	.0		9.5	6.0		20.0	66.7	.0	25.0	.0	.0	.0	.0
SE	.0	11.9	.0	.0	.0	.0		11.9	7.8		.0	.0	40.0	25.0	12.5	.0	11.1	.0
S	.0	1.8	.0	2.4	.0	.0		4.2	21.7		15.0	.0	.0	.0	.0	.0	11.1	.0
SW	2.4	1.2	6.0	.0	2.4	.0		11.9	17.0		15.0	33.3	.0	.0	12.5	.0	25.0	.0
W	.0	8.9	17.9	.0	.0	.0		26.2	14.8		50.0	.0	20.0	.0	37.5	25.0	38.9	.0
NW	.0	14.3	5.4	4.8	.0	2.4		26.8	16.0		.0	.0	20.0	50.0	37.5	50.0	2.8	75.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	19	16	3	1	1	42		14.0		5	3	5	4	8	4	9	4
TOT PCT	4.8	45.2	38.1	7.1	2.4	2.4		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	.0	4.8	2.4	.0	.0		7.1	15.0	.0	11.1	8.3	7.7	
NE	.0	2.4	.0	.0	.0		2.4	13.0	.0	.0	.0	7.7	
E	4.8	4.8	.0	.0	.0		9.5	6.0	37.5	11.1	.0	.0	
SE	2.4	9.5	.0	.0	.0		11.9	7.8	.0	33.3	8.3	7.7	
S	.0	1.8	.0	2.4	.0		4.2	21.7	9.4	.0	.0	7.7	
SW	3.0	.6	6.0	2.4	.0		11.9	17.0	21.9	.0	8.3	17.3	
W	1.8	11.3	13.1	.0	.0		26.2	14.8	31.3	11.1	33.3	26.9	
NW	7.1	12.5	2.4	2.4	.0		26.8	16.0	.0	33.3	41.7	25.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
TOT OBS	8	20	10	3	1	42		14.0	8	9	12	13	
TOT PCT	19.0	47.6	23.8	7.1	2.4		100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.6S 36.7W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000Z	.0	12.5	50.0	37.5	.0	.0	.0	10.2	100.0	8
0600Z	.0	11.1	44.4	44.4	.0	.0	.0	11.0	100.0	9
1201Z	.0	.0	50.0	41.7	8.3	.0	.0	13.7	100.0	12
1802Z	.0	.0	38.5	30.8	15.4	7.7	7.7	18.6	100.0	13
TOT	0	2	19	16	3	1	1	14.0		42
PCT	.0	4.8	45.2	38.1	7.1	2.4	2.4	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	6.7		8.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	6.7	.0	.0	.0		.0
S	11.7	.0	.0	.0		.0
SW	10.0	.0	6.7	1.7		3.6
W	18.3	.0	6.7	16.7		4.4
NW	6.7	.0	6.7	1.7		4.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	8	0	3	4	15	3.6
TOT PCT	53.3	.0	20.0	26.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

WIND DIR	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL
												OBS
N	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.7
SW	.0	.0	.0	.0	1.7	6.7	.0	.0	.0	.0	.0	10.0
W	.0	.0	.0	11.7	11.7	.0	.0	.0	.0	.0	.0	14.3
NW	.0	.0	.0	1.7	.0	6.7	.0	.0	.0	.0	.0	6.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	0	0	2	2	2	0	0	0	0	0	15
TOT PCT	6.7	.0	.0	13.3	13.3	13.3	.0	.0	.0	.0	53.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3000	6.7	6.7	13.3	13.3	13.3	13.3	13.3	13.3
= OR >2000	6.7	20.0	26.7	26.7	26.7	26.7	26.7	26.7
= OR >1000	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
= OR >600	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
= OR >300	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
= OR >150	6.7	26.7	40.0	40.0	40.0	40.0	40.0	40.0
= OR >0	6.7	26.7	40.0	40.0	40.0	40.0	46.7	46.7
TOTAL	1	4	6	6	6	6	7	7

TOTAL NUMBER OF OBS: 15

PCT FREQ NH <5/8: 53.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
37.5	12.5	6.3	.0	.0	.0	6.3	12.5	18.8	6.3	16

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975AREA 0019 SOUTH GEORGIA
53.65 36.74

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	13.0
	TOT %	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	13.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
2<5	PCP	.0	.0	.0	.0	.0	.0	5.4	7.6	.0	.0	.0	13.0
	NO PCP	.0	.0	4.3	.0	.0	.0	.0	4.3	.0	.0	.0	8.7
	TOT %	.0	.0	4.3	.0	.0	.0	5.4	12.0	.0	.0	.0	21.7
5<10	PCP	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3
	NO PCP	.0	.0	.0	8.7	.0	1.1	7.6	.0	.0	.0	.0	17.4
	TOT %	.0	.0	.0	8.7	.0	1.1	12.0	.0	.0	.0	.0	21.7
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	4.3	7.6	10.9	12.0	4.3	.0	.0	.0	39.1
	TOT %	.0	.0	.0	4.3	7.6	10.9	12.0	4.3	.0	.0	.0	39.1
TOT OBS													23
TOT PCT		4.3	.0	4.3	17.4	7.6	12.0	38.0	16.3	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	4.3
	11-21	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	8.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	4.3	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	13.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	4.3	.0	.0	.0	2.2	2.2	.0	.0	.0	8.7
	11-21	.0	.0	.0	.0	.0	.0	3.3	9.8	.0	.0	.0	13.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	4.3	.0	.0	.0	5.4	12.0	.0	.0	.0	21.7
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	8.7	.0	.0	.0	.0	.0	.0	.0	8.7
	11-21	.0	.0	.0	.0	.0	1.1	12.0	.0	.0	.0	.0	13.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	8.7	.0	1.1	12.0	.0	.0	.0	.0	21.7
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	4.3	3.3	2.2	3.3	4.3	.0	.0	.0	17.4
	11-21	.0	.0	.0	.0	.0	4.3	8.7	.0	.0	.0	.0	13.0
	22+	.0	.0	.0	.0	4.3	4.3	.0	.0	.0	.0	.0	8.7
	TOT %	.0	.0	.0	4.3	7.6	10.9	12.0	4.3	.0	.0	.0	39.1
TOT OBS													23
TOT PCT		4.3	.0	4.3	17.4	7.6	12.0	38.0	16.3	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1928-1975
(OVER-ALL) 1928-1975

AREA 0019 SOUTH GEORGIA
53.65 36.7W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	33.3	66.7	3
06009	25.0	.0	.0	.0	25.0	75.0	.0	.0	.0	.0	75.0	25.0	4
12015	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
18021	.0	.0	.0	20.0	.0	20.0	.0	.0	.0	.0	40.0	60.0	5
TOT	1	0	0	2	2	2	0	0	0	0	7	9	16
PCT	6.3	.0	.0	12.5	12.5	12.5	.0	.0	.0	.0	42.8	56.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	25.0	.0	.0	25.0	25.0	25.0	4
06009	16.7	.0	16.7	33.3	16.7	16.7	6
12015	.0	.0	.0	16.7	33.3	50.0	6
18021	12.5	.0	.0	12.5	25.0	50.0	8
TOT	3	0	1	5	6	9	24
PCT	12.5	.0	4.2	20.8	25.0	37.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	33.3	33.3	33.3	33.3	3
06009	25.0	25.0	40.0	25.0	25.0	4
12015	.0	.0	33.3	.0	66.7	3
18021	.0	.0	20.0	20.0	60.0	5
TOT	1	2	5	3	7	15
PCT	6.7	13.3	33.3	20.0	46.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL DBS	PCT FREQ
30/34	.0	.0	.0	.0	16.7	11.1	27.8	33.3	16	88.9
29/29	.0	.0	.0	.0	.0	5.6	5.6	.0	2	11.1
TOTAL	0	0	0	0	3	3	6	6	18	100.0
PCT	.0	.0	.0	.0	16.7	16.7	33.3	33.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
30/34	5.6	.0	5.6	11.1	4.2	13.9	38.9	9.7	.0	.0
29/29	.0	.0	.0	.0	5.6	1.4	4.2	.0	.0	.0
TOTAL	5.6	.0	5.6	11.1	9.7	15.3	43.1	9.7	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	34	33	33	30	27	27	27	30.1	9
06009	33	32	32	31	30	30	30	31.6	11
12015	34	33	33	33	29	29	29	32.6	17
18021	34	33	33	32	27	27	27	31.1	17
TOT	34	33	33	32	28	27	27	31.5	54

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	.0	.0	40.0	20.0	40.0	88	5
06009	.0	.0	24.0	.0	50.0	25.0	80	4
12015	.0	.0	25.0	.0	50.0	25.0	84	4
18021	.0	.0	20.0	20.0	20.0	40.0	84	5
TOT	0	0	3	3	6	6	64	18

SEPTEMBER

PERIOD: (PRIMARY) 1928-1973
(OVER-ALL) 1928-1973

AREA 0019 SOUTH GEORGIA
53.65 36.74

TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	TOT	N FOG	NO FOG
4	.0	.0	3.2	1	3.2	.0
3	.0	.0	3.2	1	3.2	.0
2	.0	.0	16.1	5	.0	16.1
1	.0	9.7	12.9	7	6.5	16.1
0	.0	6.5	.0	2	3.2	3.2
-1	3.2	25.8	.0	9	12.9	16.1
-2	.0	9.7	.0	3	.0	9.7
-3	.0	3.2	.0	1	.0	3.2
-4	6.5	.0	.0	2	.0	6.5
TOTAL	3	17	11	31	9	22
PCT	9.7	54.8	35.5	100.0	29.0	71.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	7.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	.0	7.1

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER

AREA 0019 SOUTH GEORGIA
53.65 36.74

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	1.8
5-6	.0	5.4	.0	.0	.0	.0	5.4	.0	1.8	1.8	.0	.0	.0	3.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.1	.0	.0	.0	7.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	7.1	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	.0	7.1	.0	.0	12.5	.0	3.6	8.9	.0	.0	.0	12.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	19.6	.0	.0	.0	19.6	.0	7.1	1.8	.0	.0	.0	8.9	.0
3-4	.0	5.4	7.1	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	5.4	.0	.0	.0	5.4	.0	.0	7.1	.0	.0	.0	7.1	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	39.3	.0	.0	.0	44.6	.0	7.1	8.9	.0	.0	.0	16.1	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	.0	.0	.0	.0	.0	.0	.0	085
1-2	.0	7.1	28.6	.0	.0	.0	35.7	
3-4	.0	14.3	7.1	.0	.0	.0	21.4	
5-6	.0	7.1	14.3	.0	.0	.0	21.4	
7	.0	.0	7.1	.0	.0	.0	7.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	7.1	.0	.0	.0	7.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	7.1	.0	.0	7.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	28.6	64.3	7.1	.0	.0	100.0	14

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
6-7	.0	20.0	13.3	13.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	3
8-9	.0	6.7	.0	.0	6.7	6.7	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
10-11	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
INDET	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
TOTAL	.0	5	3	2	1	1	2	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	5
PCT	.0	33.3	20.0	13.3	6.7	6.7	13.3	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1909-1952AREA 0019 SOUTH GEORGIA
53.9S 35.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	11.1	22.2	22.2	.0	44.4	.0	.0	77.8	.0	.0	11.1	.0	.0	.0	11.1
NE	.0	.0	.0	.0	52.4	.0	.0	52.4	.0	.0	9.5	.0	.0	.0	38.1
E	.0	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	50.0	.0	.0	.0	25.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	40.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
SW	.0	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	.0	.0	.0	93.3
W	.0	4.2	12.5	.0	8.3	.0	.0	20.8	.0	.0	22.9	.0	.0	.0	56.3
NW	23.9	5.6	.0	.0	8.5	.0	.0	35.2	.0	.0	16.9	.0	.0	.0	47.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	80.0
TOT PCT	8.6	3.8	3.8	.0	15.2	.0	.0	28.6	.0	.0	14.3	.0	.0	.0	57.1
TOT OBS:	105														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
0000	8.0	16.0	12.0	.0	20.0	.0	.0	48.0	.0	.0	16.0	.0	.0	.0	36.0
0600	.0	.0	3.2	.0	9.7	.0	.0	12.9	.0	.0	19.4	.0	.0	.0	67.7
1200	15.8	.0	.0	.0	15.8	.0	.0	31.6	.0	.0	15.8	.0	.0	.0	52.6
1800	12.9	.0	.0	.0	16.1	.0	.0	25.8	.0	.0	6.5	.0	.0	.0	67.7
TOT PCT TOT OBS:	8.5	3.8	3.8	.0	15.1	.0	.0	28.3	.0	.0	14.2	.0	.0	.0	57.5

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.8	.8	2.0	.8	.0	.0		4.3	15.1		22.2	.0	2.5	5.9	.0	2.6	2.4	5.3
NE	.0	3.9	5.1	.0	.0	.0		9.0	11.7		.0	5.3	10.0	17.6	50.0	7.9	4.8	5.3
E	.0	.8	1.2	.0	.0	.0		2.0	11.0		.0	.0	5.0	.0	.0	7.9	.0	.0
SE	.0	3.1	.0	.0	.0	.0		3.1	7.0		.0	.0	5.0	5.9	.0	10.5	.0	.0
S	.0	1.6	2.3	.8	.0	.0		4.7	14.6		.0	5.3	5.0	5.9	.0	.0	9.5	5.3
SW	1.2	6.3	4.7	3.5	1.2	.0		16.8	15.9		11.1	10.5	17.5	14.7	37.5	18.4	23.8	13.2
W	.8	5.5	9.0	8.6	.4	.0		24.2	17.7		44.4	28.9	30.0	11.8	12.5	7.9	33.3	23.7
NW	4.3	6.3	13.3	5.9	2.3	.0		32.0	16.1		22.2	44.7	20.0	32.4	.0	44.7	21.4	42.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.9							3.9	.0		.0	5.3	5.0	5.9	.0	.0	4.8	5.3
TOT OBS	14	36	48	25	5	0	128		14.9		9	19	20	17	4	19	21	18
TOT PCT	10.9	28.1	37.5	19.5	3.9	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	HOUR (GMT)			
		7-16	17-27	28-40	03						06	12	18	
N	.8	1.2	1.6	.8	.0		4.3	15.1	7.1	4.1	2.2	3.8		
NE	.0	8.2	.8	.0	.0		9.0	11.7	3.6	13.5	15.2	5.0		
E	.0	2.0	.0	.0	.0		2.0	11.0	.0	2.7	6.5	.0		
SE	1.6	1.6	.0	.0	.0		3.1	7.0	.0	5.4	8.7	.0		
S	.0	3.1	1.6	.0	.0		4.7	14.6	3.6	5.4	.0	7.5		
SW	2.7	7.4	2.7	3.9	.0		16.8	15.9	10.7	16.2	21.7	16.8		
W	2.3	8.6	8.6	4.7	.0		24.2	17.7	33.9	21.6	8.7	28.8		
NW	5.9	12.5	7.4	5.5	.8		32.0	16.1	37.5	25.7	37.0	31.3		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	3.9						3.9	.0	3.6	5.4	.0	5.0		
TOT OBS	22	57	29	19	1	128		14.9	28	37	23	40		
TOT PCT	17.2	44.5	22.7	14.8	.8		100.0		100.0	100.0	100.0	100.0		

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1903-1952AREA 0019 SOUTH GEORGIA
53.9S 35.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	3.6	3.6	32.1	35.7	21.4	3.6	.0	15.3	100.0	28
06009	5.4	10.8	32.4	24.3	21.6	5.4	.0	14.3	100.0	37
12015	.0	8.7	25.1	39.1	17.4	8.7	.0	16.3	100.0	23
18021	5.0	5.0	22.5	50.0	17.5	.0	.0	14.4	100.0	40
TOT	5	9	36	48	25	5	0	14.9		128
PCT	3.9	7.0	28.1	37.5	19.5	3.9	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	.0	.0	50.0	.0		7.0
NE	.0	.0	.0	.0		.0
E	.0	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	50.0	.0	.0	.0		1.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	0	1	0	2	4.0
TOT PCT	50.0	.0	50.0	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	0	0	0	0	0	1	0	0	0	1	2
TOT PCT	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>2000	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>1000	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>600	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>300	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>150	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
>0	.0	.0	50.0	50.0	50.0	50.0	50.0	50.0
TOTAL	0	0	1	1	1	1	1	1

TOTAL NUMBER OF OBS: 2

PCT FREQ NH <5/8: 50.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	9	TOTAL OBS
.0	50.0	.0	.0	.0	.0	.0	50.0	.0	.0	2

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1903-1952AREA 0019 SOUTH GEORGIA
53.95 35.9W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	5.4	.0	.0	5.4	
	NO PCP	.5	.0	.0	.0	.0	.0	3.2	1.6	.0	1.1	6.4	
	TOT %	.5	.0	.0	.0	.0	.0	3.2	7.0	.0	1.1	11.8	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	1.6	.0	.0	.0	1.1	.0	.0	1.6	.0	.0	4.3	
	NO PCP	.0	1.1	.0	.0	.0	.0	.0	2.2	.0	.0	3.2	
	TOT %	1.6	1.1	.0	.0	1.1	.0	.0	3.8	.0	.0	7.5	
2<5	PCP	1.1	3.8	.5	.0	.0	.5	2.7	.0	.0	.0	8.6	
	NO PCP	.5	1.1	.0	.0	.0	.0	.5	2.2	.0	.0	4.3	
	TOT %	1.6	4.8	.5	.0	.0	.5	3.2	2.2	.0	.0	12.9	
5<10	PCP	.0	.0	.0	.0	.0	.0	2.2	1.1	.0	.0	3.2	
	NO PCP	.0	2.2	.5	3.8	2.2	15.1	13.4	11.3	.0	1.1	49.5	
	TOT %	.0	2.2	.5	3.8	2.2	15.1	15.6	12.4	.0	1.1	52.7	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	2.2	
	NO PCP	.0	1.1	.0	.0	1.1	.0	1.1	6.5	.0	3.2	12.9	
	TOT %	.0	1.1	.0	.0	1.1	.0	1.1	8.6	.0	3.2	15.1	
TOT OBS													93
TOT PCT		3.8	9.1	1.1	3.8	4.3	15.6	23.1	33.9	.0	5.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.5	.0	.0	.0	.0	.0	.0	1.6	.0	1.1	3.2	
	4-10	.0	.0	.0	.0	.0	.0	1.1	3.2	.0	.0	4.3	
	11-21	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	1.1	
	22+	.0	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	3.2	
	TOT %	.5	.0	.0	.0	.0	.0	3.2	7.0	.0	1.1	11.8	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	11-21	1.6	.0	.0	.0	1.1	.0	.0	2.7	.0	.0	5.4	
	22+	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	1.1	
	TOT %	1.6	1.1	.0	.0	1.1	.0	.0	3.8	.0	.0	7.5	
2<5	0-3	.5	.0	.0	.0	.0	.0	.0	.5	.0	.0	1.1	
	4-10	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	
	11-21	.0	4.8	.5	.0	.0	.0	.5	1.6	.0	.0	7.5	
	22+	.0	.0	.0	.0	.0	.5	2.7	.0	.0	.0	3.2	
	TOT %	1.6	4.8	.5	.0	.0	.5	3.2	2.2	.0	.0	12.9	
5<10	0-3	.0	.0	.0	.0	.0	1.1	.0	1.1	.0	1.1	3.2	
	4-10	.0	1.1	.5	3.8	1.1	4.3	4.3	2.2	.0	.0	17.2	
	11-21	.0	1.1	.0	.0	.0	5.9	5.9	5.4	.0	.0	18.3	
	22+	.0	.0	.0	.0	1.1	3.8	5.4	3.8	.0	.0	14.0	
	TOT %	.0	2.2	.5	3.8	2.2	15.1	15.6	12.4	.0	1.1	52.7	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	1.1	.0	3.2	4.3	
	4-10	.0	1.1	.0	.0	1.1	.0	.0	1.1	.0	.0	3.2	
	11-21	.0	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	3.2	
	22+	.0	.0	.0	.0	.0	.0	.0	4.3	.0	.0	4.3	
	TOT %	.0	1.1	.0	.0	1.1	.0	1.1	8.6	.0	3.2	15.1	
TOT OBS													93
TOT PCT		3.8	9.1	1.1	3.8	4.3	15.6	23.1	33.9	.0	5.4	100.0	

OCTOBER

PERIOD: (PRIMARY) 1928-1942
(OVER-ALL) 1903-1952AREA 0019 SOUTH GEORGIA
53.9S 35.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0	50.0	2
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOT	0	0	0	0	0	0	1	0	0	0	1	1	2
PCT	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	50.0	50.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	18.2	.0	4.5	27.3	45.5	4.5	22
06009	17.2	.0	3.4	10.3	48.3	20.7	20
12015	6.7	.0	13.9	6.7	53.3	20.0	15
18021	3.6	.0	10.7	7.1	60.7	17.9	28
TOT	11	0	7	12	49	15	94
PCT	11.7	.0	7.4	12.8	52.1	16.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	50.0	.0	50.0	2
06009	.0	.0	.0	.0	.0	0
12015	.0	.0	.0	.0	.0	0
18021	.0	.0	.0	.0	.0	0
TOT	0	0	1	0	1	2
PCT	.0	.0	50.0	.0	50.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
39/39	.0	.0	.0	.0	.0	2.4	2.4	26.8	13	31.7
30/34	.0	.0	.0	.0	.0	2.4	14.6	41.5	24	58.5
29/29	.0	.0	.0	.0	.0	.0	.0	9.8	4	9.8
TOTAL	0	0	0	0	0	2	7	32	41	100.0
PCT	.0	.0	.0	.0	.0	4.9	17.1	78.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	2.4	.0	4.9	.0	2.4	9.8	12.2	.0	.0
2.4	4.9	3.7	3.7	2.4	6.1	18.3	14.6	.0	2.4
.0	.0	.0	.0	.0	3.7	6.1	.0	.0	.0
2.4	7.3	3.7	8.5	2.4	12.2	34.1	26.8	.0	2.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	44	43	39	33	29	26	26	33.8	30
06009	47	46	44	33	27	26	26	33.6	37
12015	50	49	45	34	32	25	25	35.0	27
18021	48	47	44	33	27	26	26	33.9	46
TOT	50	48	43	33	27	26	25	34.0	140

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	100.0	98	9
06009	.0	.0	.0	.0	.0	10.0	20.0	70.0	95	10
12015	.0	.0	.0	.0	.0	10.0	20.0	70.0	94	10
18021	.0	.0	.0	.0	.0	.0	25.0	75.0	94	12
TOT	0	0	0	0	0	2	7	32	95	41

OCTOBER

PERIOD: (PRIMARY) 1928-1952
(OVER-ALL) 1903-1952APEA 0019 SOUTH GEORGIA
53.95 35.9W

TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOLT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	TOT FOG	N FOG	WD FOG
9/10	.0	.0	.0	1.4	1	.0	1.4
7/8	.0	.0	.0	1.4	1	.0	1.4
6	.0	.0	1.4	2.7	3	1.4	2.7
5	.0	.0	4.1	.0	3	.0	4.1
4	.0	.0	2.7	1.4	3	.0	4.1
3	.0	.0	13.5	1.4	11	5.4	9.5
2	.0	4.1	12.2	.0	12	2.7	13.5
1	.0	2.7	12.2	.0	11	1.4	13.5
0	.0	5.4	14.9	.0	15	1.4	18.9
-1	.0	5.4	1.4	.0	5	.0	6.8
-2	.0	2.7	.0	.0	2	.0	2.7
-3	1.4	1.4	.0	.0	2	.0	2.7
-4	1.4	1.4	1.4	.0	3	.0	4.1
-6	1.4	.0	.0	.0	1	.0	1.4
-11/-13	1.4	.0	.0	.0	1	.0	1.4
TOTAL	4		47		74	9	63
PCT	5.4	23.0	63.5	2.1	100.0	12.2	87.8

PERIOD: (OVER-ALL) 1963-1952

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														

TOT PCT

INSUFFICIENT DATA

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														

TOT PCT

INSUFFICIENT DATA

PERIOD: (OVER-ALL) 1963-1992

OCTOBER

AREA 0019 SOUTH GEORGIA
53.95 35.9W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1														
1-2														
3-4														
5-6														
7														
8-9														
10-11														
12														
13-16														
17-19														
20-22														
23-25														
26-32														
33-40														
41-48														
49-60														
61-70														
71-86														
87+														
TOT PCT														

INSUFFICIENT DATA

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1															
1-2															
3-4															
5-6															
7															
8-9															
10-11															
12															
13-16															
17-19															
20-22															
23-25															
26-32															
33-40															
41-48															
49-60															
61-70															
71-86															
87+															
TOT PCT															

INSUFFICIENT DATA

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1								
1-2								
3-4								
5-6								
7								
8-9								
10-11								
12								
13-16								
17-19								
20-22								
23-25								
26-32								
33-40								
41-48								
49-60								
61-70								
71-86								
87+								
TOT PCT								

INSUFFICIENT DATA

PERIOD: (OVER-ALL) 9999-1952

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	25-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6																					
6-7																					
8-9																					
10-11																					
12-13																					
>13																					
INDEX																					
TOTAL																					

INSUFFICIENT DATA

NOVEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975AREA 0019 SOUTH GEORGIA
33.95 36.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	25.2	13.4	1.7	3.4	10.1	.0	1.7	50.4	.0	.0	19.3	.0	.0	.0	30.3
NE	.0	3.9	.0	.0	43.1	.0	3.9	51.0	.0	.0	7.8	.0	.0	.0	41.2
E	.0	4.9	.0	.0	27.2	.0	.0	27.2	.0	.0	4.9	.0	.0	.0	67.9
SE	5.2	2.6	.0	.0	36.4	.0	.0	36.4	.0	.0	26.0	.0	.0	.0	37.7
S	4.1	2.0	.0	.0	28.6	.0	.0	28.6	.0	.0	6.1	.0	2.0	.0	63.3
SW	1.7	.0	.0	.0	6.8	.0	.0	8.5	.0	.0	8.5	.0	6.8	.0	76.3
W	2.9	.7	.7	.0	8.3	.0	.0	12.6	1.1	.0	15.5	.0	2.2	.0	68.7
NW	12.1	6.7	1.3	1.3	17.8	.0	.0	34.6	.3	.0	32.9	.0	.0	.0	32.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	8.6	.0	5.7	.0	8.6	.0	.0	22.9	.0	.0	2.9	.0	.0	.0	74.3
TOT PCT	7.6	3.8	1.3	.6	16.5	.0	.3	27.3	.3	.0	16.8	.0	1.3	.0	54.3
TOT OBS:	315														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	13.5	1.9	.0	1.9	15.4	.0	.0	30.8	.0	.0	13.5	.0	.0	.0	55.8
06009	5.3	3.2	2.1	1.1	14.7	.0	.0	24.2	.0	.0	18.9	.0	.0	.0	56.8
12015	8.1	1.4	1.4	.0	14.9	.0	1.4	25.7	.0	.0	23.0	.0	1.4	.0	50.0
18021	5.2	6.1	1.7	.0	19.1	.0	.0	27.8	.9	.0	10.4	.0	2.6	.0	58.3
TOT PCT	7.1	3.6	1.5	.6	16.4	.0	.3	26.8	.3	.0	16.1	.0	1.2	.0	55.7
TOT OBS:	336														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.8	3.9	3.2	1.0	.4	.6		9.9	15.8	10.0	9.0	6.5	8.1	11.5	13.5	9.9	11.0	
NE	.9	1.8	1.5	.1	.0	.0		4.4	8.5	10.0	.0	3.2	2.3	4.1	6.7	5.3	4.9	
E	2.4	1.0	2.1	.6	.0	.0		6.0	9.0	5.0	7.7	6.0	2.3	1.4	6.7	8.6	7.4	
SE	1.0	1.2	2.5	1.2	.0	.0		5.9	14.2	5.0	3.6	1.9	3.5	4.7	4.8	10.5	9.6	
S	.6	1.3	2.8	1.8	.7	.3		7.5	19.2	5.0	6.4	5.1	8.1	11.5	11.5	6.6	4.9	
SW	1.4	1.4	6.1	1.1	.3	.0		10.4	15.1	22.5	6.4	12.0	15.1	9.5	3.8	9.2	12.2	
W	1.7	2.8	12.8	3.5	1.5	1.0		23.2	19.0	16.3	24.4	27.3	25.6	21.6	22.1	21.1	24.4	
NW	.4	4.4	14.2	3.5	.1	.4		23.2	16.8	26.3	26.9	21.3	18.6	35.8	21.2	23.7	15.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	9.7							9.7	.0	.0	15.4	16.7	16.3	.0	9.6	5.3	9.8	
TOT OBS	68	64	164	47	11	8	362		14.6		20	39	54	43	37	52	76	41
TOT PCT	18.8	17.7	45.3	13.0	3.0	2.2		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	09	12	18
N	2.6	2.9	3.2	.1	1.0		9.9	15.8	9.3	7.2	12.6	10.3	
NE	2.1	1.9	.3	.0	.0		4.4	8.5	3.4	2.8	5.6	5.1	
E	3.0	2.3	.4	.9	.0		6.0	9.0	6.8	4.4	4.5	8.1	
SE	1.4	2.6	1.0	1.0	.0		5.9	14.2	4.2	2.6	4.8	10.3	
S	1.0	2.4	2.7	1.1	.3		7.5	19.2	5.9	6.4	11.5	6.0	
SW	1.9	3.5	4.2	.6	.1		10.4	15.1	11.9	13.4	6.2	10.3	
W	2.8	7.0	9.0	3.4	1.1		23.2	19.0	21.6	26.5	21.9	22.2	
NW	1.2	9.7	11.0	.7	.6		23.2	16.8	26.7	20.1	27.2	20.9	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.7						9.7	.0	10.2	16.5	5.6	6.8	
TOT OBS	93	117	115	26	11	362		14.6	39	97	89	117	
TOT PCT	25.7	32.3	31.8	7.2	3.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1911-1975

APGA 0019 SOUTH GEORGIA
53.95 36.34

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47					
0000	10.2	13.6	13.6	47.5	11.9	1.7	1.7	13.8	100.0		59
0600	16.5	6.2	13.4	52.6	6.2	2.1	3.1	13.9	100.0		97
1200	5.6	7.9	18.0	50.6	13.5	2.2	2.2	15.1	100.0		89
1800	6.8	10.3	23.1	34.2	18.8	5.1	1.7	15.3	100.0		117
TOT	35	33	64	164	47	11	8	14.6			362
PCT	9.7	9.1	17.7	45.3	13.0	3.0	2.2	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	4.4	8.3		7.6
NE	.0	.0	2.2	2.8		7.5
E	.0	.0	.0	3.9		8.0
SE	.0	.0	.0	1.7		8.0
S	.0	.0	7.2	2.8		6.8
SW	.0	.0	4.4	8.9		7.5
W	.0	.0	10.0	13.3		7.2
NW	2.2	4.4	5.0	18.3		6.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	2	15	27	45	7.2
TOT PCT	2.2	4.4	33.3	60.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL GRS
	149	299	599	999	1999	3499	4999	6499	7999			
N	6.1	2.2	.0	.0	2.2	.0	.0	.0	.0	.0	2.2	
NE	.0	.0	.6	.0	2.2	2.2	.0	.0	.0	.0	.0	
E	.0	.0	1.7	.0	.0	.0	2.2	.0	.0	.0	.0	
SE	.0	.0	.0	.6	.0	.0	1.1	.0	.0	.0	.0	
S	.0	.0	2.2	1.7	1.7	.0	2.2	.0	.0	.0	2.2	
SW	.0	.0	.6	4.4	5.6	2.2	1.1	.0	.0	.0	.0	
W	.0	.0	2.2	11.7	7.2	2.2	.0	.0	.0	.0	.0	
NW	5.0	2.2	3.9	7.8	.0	.0	.0	.0	.0	.0	11.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	2	3	10	12	3	3	0	0	0	7	45
TOT PCT	11.1	4.4	6.7	22.2	26.7	6.7	6.7	.0	.0	.0	15.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	6.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5
>2000	10.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9
>1000	25.5	31.9	42.6	42.6	42.6	42.6	42.6	42.6
>600	27.7	44.7	61.7	63.8	63.8	66.0	66.0	66.0
>300	27.7	46.8	66.0	68.1	68.1	70.2	70.2	70.2
>150	27.7	46.8	66.0	68.1	70.2	74.5	74.5	74.5
>0	27.7	46.8	66.0	68.1	70.2	83.0	85.1	85.1
TOTAL	13	22	31	32	33	39	40	40

TOTAL NUMBER OF OBS: 47

PCT FREQ NH <5/8: 14.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	2.0	2.0	6.0	2.0	.0	10.0	6.0	14.0	48.0	8.0	50

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.4	.0	.7	.0	.0	.0	.2	.9	.0	.4	2.6	
	NO PCP	1.2	.2	.4	1.1	.2	.2	.4	2.3	.0	.4	6.7	
	TOT %	1.6	.2	1.1	1.1	.2	.2	.5	3.2	.0	.7	8.4	
1/2<1	PCP	1.6	.2	.4	.0	.0	.0	.2	.9	.0	.0	3.3	
	NO PCP	.2	.2	.0	.0	.0	.4	.5	3.5	.0	.0	4.8	
	TOT %	1.8	.4	.4	.0	.0	.4	.7	4.4	.0	.0	8.1	
1/2	PCP	.0	.0	.4	.9	.5	.0	.2	.9	.0	.0	2.6	
	NO PCP	.2	.0	.4	.0	.0	.2	.2	.9	.0	.0	1.8	
	TOT %	.2	.0	.7	.9	.5	.2	.4	1.8	.0	.0	4.4	
2/5	PCP	.5	.0	.0	.5	1.3	.2	.8	1.7	.0	.0	5.1	
	NO PCP	.4	.4	.4	.2	.9	1.0	1.8	.8	.0	.0	5.9	
	TOT %	.9	.4	.4	.7	2.2	1.2	2.7	2.6	.0	.0	11.0	
5/10	PCP	1.6	2.0	.2	.0	.4	.5	1.5	1.8	.0	2.6	10.6	
	NO PCP	2.0	.8	3.2	1.0	3.0	4.9	12.6	5.3	.0	9.5	42.8	
	TOT %	3.7	2.8	3.4	1.0	3.4	5.5	14.1	7.1	.0	12.1	53.4	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.9	.7	1.1	1.1	1.6	2.7	3.4	2.8	.0	.0	14.3	
	TOT %	.9	.7	1.1	1.1	1.6	2.7	3.4	2.8	.0	.0	14.3	
TOT OBS													273
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.2	.2	.4	.7	.0	.0	.0	.0	.0	.7	2.1	
	4-10	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	.0	2.1	
	11-21	.0	.0	.5	.2	.2	.2	.5	2.0	.0	.0	3.6	
	22+	.3	.0	.4	.4	.0	.0	.0	.0	.0	.0	1.4	
	TOT %	1.5	.2	1.3	1.3	.2	.2	.5	3.5	.0	.7	9.3	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.9	.2	.0	.0	.0	.0	.0	.4	.0	.0	1.4	
	11-21	.7	.2	.4	.0	.0	.4	.4	2.3	.0	.0	4.3	
	22+	.2	.0	.0	.0	.0	.0	.4	1.6	.0	.0	2.1	
	TOT %	1.8	.4	.4	.0	.0	.4	.7	4.3	.0	.0	7.9	
1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.2	.2	.0	.2	.5	.0	.0	1.1	
	11-21	.2	.0	.4	.4	.4	.2	.2	1.3	.0	.0	2.9	
	22+	.0	.0	.4	.4	.0	.0	.0	.4	.0	.0	1.1	
	TOT %	.2	.0	.7	.9	.5	.2	.4	2.1	.0	.0	5.0	
2/5	0-3	.0	.0	.0	.0	.2	.5	.0	.0	.0	.0	.7	
	4-10	.0	.4	.0	.2	.2	.5	.4	.0	.0	.0	1.8	
	11-21	.9	.0	.4	.5	.9	.2	1.2	1.7	.0	.0	5.7	
	22+	.0	.0	.0	.0	.9	.3	.9	.4	.0	.0	2.5	
	TOT %	.9	.4	.4	.7	2.1	1.2	2.6	2.5	.0	.0	10.7	
5/10	0-3	.4	.8	2.6	.2	.4	.7	2.1	.4	.0	11.8	19.2	
	4-10	.7	1.3	.4	.6	.6	.5	.9	1.8	.0	.0	6.8	
	11-21	1.3	.7	.4	.2	.9	3.8	7.7	3.4	.0	.0	18.2	
	22+	1.3	.0	.0	.0	1.4	.4	3.0	1.4	.0	.0	7.5	
	TOT %	3.6	2.8	3.3	1.0	3.3	5.4	13.8	7.0	.0	11.8	51.8	
10+	0-5	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4	
	4-10	1.6	.0	.5	.2	.5	.5	.4	.5	.0	.0	4.3	
	11-21	.0	.7	.5	.9	.6	1.7	2.2	2.2	.0	.0	8.9	
	22+	.0	.0	.0	.0	.4	.7	.7	.0	.0	.0	1.8	
	TOT %	1.6	.9	1.3	1.1	1.5	2.9	3.3	2.8	.0	.0	15.4	
TOT OBS													280
TOT PCT													100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	28.6	28.6	28.6	.0	.0	.0	.0	85.7	14.3	7
06009	12.5	12.5	12.5	12.5	25.0	12.5	12.5	.0	.0	.0	100.0	.0	8
12015	20.0	.0	13.3	26.7	20.0	.0	.0	.0	.0	.0	80.0	20.0	15
18021	5.6	5.6	.0	22.2	33.3	.0	16.7	.0	.0	.0	83.3	16.7	18
TOT	5	2	3	11	13	3	4	0	0	0	41	7	48
PCT	10.4	4.2	6.3	22.9	27.1	6.3	8.3	.0	.0	.0	83.4	14.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	8.2	4.1	8.2	18.4	49.0	12.2	49
06009	10.5	9.3	7.0	5.8	55.8	11.6	86
12015	12.7	6.3	6.3	9.5	42.9	22.2	63
18021	5.8	8.7	1.9	10.7	58.3	14.6	103
TOT	27	23	16	31	159	45	301
PCT	9.0	7.6	5.3	10.3	52.8	15.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	28.6	57.1	14.3	7
06009	12.5	37.5	62.5	37.5	.0	8
12015	21.4	28.6	64.3	14.3	21.4	14
18021	5.6	16.7	55.6	33.3	11.1	18
TOT	5	10	26	15	6	47
PCT	10.6	21.3	55.3	31.9	12.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.0	.3	.3	.3	.0	3	1.0
45/49	.0	.3	.0	.0	.7	1.3	.7	.0	9	3.0
40/44	.0	.0	.3	.7	1.0	2.3	3.6	2.6	32	10.5
35/39	.0	.0	.0	.0	1.3	2.6	5.6	16.4	79	25.9
30/34	.0	.0	.0	.0	1.0	3.0	9.2	40.0	162	53.1
25/29	.0	.0	.0	.0	.0	.7	1.0	4.9	20	6.6
TOTAL	0	1	1	2	13	31	62	195	305	100.0
PCT	.0	.3	.3	.7	4.3	10.2	20.3	63.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.2	.2	.0	.3	.2	.2	.0	.0
.0	.0	.0	.0	.0	1.1	1.5	.3	.0	.0
.9	.0	1.1	.4	.4	.6	3.0	1.7	.0	2.3
4.1	1.0	.8	.2	.8	.8	6.3	6.6	.0	5.9
3.1	2.4	3.4	3.6	4.8	8.0	13.0	12.3	.0	2.6
.7	.3	.7	.7	.9	.1	1.3	1.3	.0	.7
8.8	3.7	6.1	5.0	6.2	11.0	25.2	22.5	.0	11.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	49	48	43	33	29	27	27	33.8	64
06009	49	48	44	33	28	26	26	34.2	112
12015	49	45	42	34	30	29	29	35.0	104
18021	50	49	44	34	29	29	27	34.6	133
TOT	50	49	44	34	29	27	26	34.5	413

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	1.9	14.8	11.1	72.2	92	54		
06009	.0	2.2	2.2	9.7	21.5	64.5	91	33		
12015	.0	2.8	3.6	4.2	23.9	63.4	90	71		
18021	.0	1.9	4.6	12.1	20.6	59.8	89	107		
TOT	0	6	13	33	65	208	90	325		

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TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	25 28	29 32	33 36	37 40	41 44	45 48	TOT	% FOG	#0 FOG
9/10	.0	.0	.0	.0	.9	.5	3	.0	1.4
7/8	.0	.0	.0	.9	.5	.0	3	.0	1.4
6	.0	.0	.0	.0	.5	.0	1	.0	.5
5	.0	.0	.9	3.3	.0	.0	9	.9	3.3
4	.0	.0	1.9	3.0	.5	.0	13	1.4	4.7
3	.0	.0	8.5	2.4	.5	.0	24	.9	10.4
2	.0	1.9	7.1	1.4	.0	.0	22	2.4	8.0
1	.0	9.4	0.4	.9	.0	.0	42	5.7	14.2
0	.0	8.8	4.7	.0	.0	.0	28	2.8	10.4
-1	.0	0.9	3.8	.0	.0	.0	29	4.7	9.0
-2	.9	6.6	2.4	.0	.0	.0	21	.9	9.0
-3	.9	2.4	.5	.0	.0	.0	8	.5	3.3
-4	.9	.9	.0	.0	.0	.0	4	.5	1.4
-5	.0	.9	.5	.0	.0	.0	3	.0	1.4
-6	.0	.5	.0	.0	.0	.0	1	.0	.5
-7/-8	.5	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	7	87	84	27	6	1	212	44	168
PCT	3.3	41.0	39.6	12.7	2.8	.5	100.0	20.8	79.2

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FRE F WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	9.7	.0	.0	.0	.0	9.7	.8	.0	.0	.0	.0	.0	.8
3-4	.0	.0	3.2	2.4	.0	.0	5.6	.0	.0	6.5	.0	.0	.0	6.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.7	3.2	2.4	.0	.0	15.3	.8	.0	6.5	.0	.0	.0	7.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	2.4	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.4	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.2	2.4	.0	.0	.0	5.6	.0	.0	4.0	.0	.0	.0	4.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	.0	.3	.0	7.3	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	2.4	.0	.0	.0	5.6	.0	.0	10.5	.0	.8	.0	11.3	

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	3.2	.0
3-4	.0	.0	11.3	.0	.0	.0	11.3	.0	6.5	17.7	.8	.0	.0	.0	25.0	.0
5-6	.0	.0	3.2	.0	2.4	.0	5.6	.0	.0	6.5	6.5	.0	.0	.0	12.9	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	14.5	.0	2.4	.0	16.9	.0	9.7	24.2	7.3	.0	.0	41.1	100.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	3.2	16.1	6.5	.0	.0	.0	25.8	
3-4	.0	6.5	38.7	3.2	.0	.0	48.4	
5-6	.0	.0	16.1	6.5	3.2	.0	25.8	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.2	22.6	61.3	9.7	3.2	.0	100.0	31

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.9	2.6	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	3
6-7	.0	.0	2.6	26.3	15.8	.0	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	6
8-9	.0	.0	2.6	2.6	.0	18.4	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
10-11	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
12-13	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
TOTAL	.0	3	5	13	6	8	3	0	0	0	0	0	0	0	0	0	0	0	0	38	6
PCT	.0	7.9	13.2	34.2	15.8	21.1	7.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975AREA 0019 SOUTH GEORGIA
33.95 36.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.4	.0	1.0	1.9	6.7	.0	.0	22.0	.0	.0	22.5	.0	.0	.0	55.5
NE	8.7	2.2	2.2	.0	20.7	.0	.0	31.5	.0	.0	19.0	.0	.0	.0	49.5
E	12.4	.0	1.0	.0	27.6	.0	.0	37.1	.0	.0	9.5	.0	.0	.0	53.3
SE	12.0	3.3	5.5	.0	28.7	.0	.0	45.9	.0	.0	2.2	.0	.0	.0	51.9
S	9.2	1.5	.0	.0	44.5	.0	.0	50.4	.0	.0	.0	.0	.0	.0	49.6
SW	3.4	4.8	.0	.0	21.0	.0	.0	28.2	1.0	.0	4.3	.0	.0	.0	66.5
W	3.3	1.5	3.1	.0	7.9	.0	.5	16.4	.0	.0	2.0	.0	.0	.0	81.6
NW	8.0	6.7	4.6	.0	5.7	.0	.5	24.4	3.1	.0	7.2	.0	.0	.0	65.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.3	1.6	4.9	.0	11.5	.0	.0	21.3	.0	.0	4.9	.0	.0	.0	73.8
TOT PCT	7.1	2.9	2.5	.2	16.5	.0	.2	28.0	.7	.0	7.3	.0	.0	.0	64.0
TOT OBS	589														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	7.0	4.2	2.8	.0	14.1	.0	.0	26.1	.0	.0	9.2	.0	.0	.0	64.8
0600	6.1	1.7	4.4	.0	13.3	.0	.0	25.0	1.1	.0	6.7	.0	.0	.0	67.2
1200	6.8	3.4	2.1	.7	19.2	.0	.7	30.8	.7	.0	11.0	.0	.0	.0	57.5
1800	6.2	3.1	2.6	.0	13.3	.0	.0	24.1	.5	.0	6.7	.0	.0	.0	68.7
TOT PCT	6.5	3.0	3.0	.2	14.8	.0	.2	26.2	.6	.0	8.1	.0	.0	.0	65.0
TOT OBS	663														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.1	4.9	2.1	.6	.0	.0		8.7	10.4		9.3	10.5	7.9	5.1	14.7	7.4	6.8	9.7
NE	.3	4.4	2.2	.8	.0	.0		7.7	10.8		4.6	5.6	5.4	8.0	4.5	15.4	10.9	3.5
E	.7	5.7	1.4	.9	.0	.0		8.7	9.7		7.9	10.5	6.4	8.7	5.8	10.6	9.6	9.7
SE	.2	3.8	1.9	1.0	.2	.0		7.2	13.7		6.4	8.0	6.4	5.8	9.6	6.9	6.6	8.3
S	.0	1.9	3.0	.6	.3	.0		5.9	15.3		7.9	8.0	9.7	3.6	4.1	4.3	4.1	5.6
SW	.2	4.9	9.9	3.5	.9	.0		18.8	16.8		25.7	9.9	26.5	15.2	23.3	17.0	16.2	17.4
W	.4	4.5	8.3	3.9	.4	.0		17.4	16.3		23.2	21.6	13.9	10.9	24.3	11.2	14.6	17.4
NW	.9	4.3	6.5	3.6	.9	.0		16.2	16.2		15.0	11.1	12.9	19.6	13.7	19.7	22.0	11.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.4							9.4	.0		.0	14.8	10.9	23.2	.0	7.4	5.3	16.7
TOT OBS	91	239	241	103	19	0	693		13.1		70	81	101	69	73	94	133	72
TOT PCT	13.1	34.5	34.8	14.9	2.7	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	3.0	3.6	1.8	.3	.0		8.7	10.4	9.9	6.8	10.6	7.8	
NE	2.5	3.6	1.4	.1	.0		7.7	10.8	5.1	6.5	10.6	8.3	
E	2.7	3.8	.7	.3	.0		8.7	9.7	9.3	7.4	8.5	9.6	
SE	1.0	4.1	1.1	.7	.2		7.2	13.7	7.3	6.2	8.1	7.2	
S	.6	3.1	1.6	.4	.2		5.9	15.3	7.9	7.2	4.2	4.6	
SW	2.3	6.8	7.4	1.8	.5		18.8	16.8	17.2	21.9	19.8	16.6	
W	1.8	7.3	6.2	2.0	.1		17.4	16.3	22.4	12.6	16.9	18.2	
NW	2.6	5.9	5.8	1.8	.1		16.2	16.2	12.9	13.6	17.1	18.4	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	9.4						9.4	.0	7.9	15.9	4.2	9.3	
TOT OBS	187	265	180	53	8	693		13.1	131	170	167	205	
TOT PCT	27.0	38.2	26.0	7.6	1.2		100.0		100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975

AREA 0019 SOUTH GEORGIA
53.95 36.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT % FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	7.9	2.6	35.0	33.8	18.5	1.3	.0	13.5	100.0	151
06009	15.9	2.4	31.8	30.6	15.9	3.5	.0	12.7	100.0	170
12015	4.2	4.8	34.1	39.5	15.0	2.4	.0	13.8	100.0	167
18021	9.3	4.9	36.1	35.1	11.2	3.4	.0	12.6	100.0	205
TOT	65	26	239	241	103	19	0	13.1		693
PCT	9.4	3.8	34.5	34.8	14.9	2.7	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.6	.6	2.7	4.9		6.8
NE	.0	.6	1.2	3.6		7.2
E	.0	.0	3.0	3.3		7.2
SE	.0	.0	4.8	2.2		6.5
S	.0	.0	2.2	2.7		7.5
SW	.0	1.2	7.6	14.4		7.1
W	.6	2.4	14.5	10.8		6.6
NW	.6	1.8	3.4	10.2		7.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	3	11	66	87	167	6.9
TOT PCT	1.8	6.6	39.5	52.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.6	.6	.0	.6	2.1	2.5	.6	.6	.0	.0	1.2	
NE	.0	.0	.6	.0	.4	2.8	.3	.0	.0	.0	1.2	
E	.0	.0	.6	.3	2.5	2.1	.3	.0	.0	.0	.4	
SE	.0	.0	.0	.9	4.3	1.0	.0	.0	.0	.0	.7	
S	.3	.0	.0	.0	1.8	2.2	.0	.0	.0	.0	.6	
SW	.3	.0	.6	1.2	5.1	11.7	1.8	.6	.0	.0	1.9	
W	.0	.4	.6	2.7	7.2	9.9	2.2	.0	.0	.0	5.2	
NW	1.8	1.3	.6	2.1	2.2	4.8	.1	.0	.0	.0	3.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	5	4	5	13	43	62	9	2	0	0	24	167
TOT PCT	3.0	2.4	3.0	7.8	25.7	37.1	5.4	1.2	.0	.0	14.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)			VSBY (NM)			VSBY (NM)		
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0	
>6500	.0	.0	.0	.0	.0	.0	.0	.0	
>5000	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
>3500	5.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5	
>2000	36.1	44.4	45.0	45.0	45.0	45.0	45.0	45.0	
>1000	49.7	66.3	69.2	69.2	70.4	70.4	70.4	70.4	
>600	51.5	72.2	76.3	76.3	78.1	78.1	78.1	78.1	
>300	52.1	73.4	78.1	78.7	80.5	81.1	81.1	81.1	
>150	53.3	74.6	80.5	81.1	82.8	83.4	83.4	83.4	
>0	53.4	75.1	82.2	82.8	84.6	85.2	85.8	85.8	
TOTAL	90	127	139	140	143	144	145	145	

TOTAL NUMBER OF OBSI 169

PCT FREQ NM <5/8 14.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
1.2	1.7	3.5	4.6	3.5	8.1	9.5	17.9	46.8	173

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975AREA 0019 SOUTH GEORGIA
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	.2	.1	.1	.0	.0	.2	.3	.0	.2	1.1	
	NO PCP	.4	.1	.2	.0	.0	.2	.0	.5	.0	.0	1.4	
	TOT %	.5	.3	.3	.1	.0	.2	.2	.8	.0	.2	2.5	
1/2<1	PCP	.4	.0	.1	.3	.0	.2	.2	.2	.0	.5	1.8	
	NO PCP	1.4	.9	.3	.1	.0	.0	.2	.3	.0	.4	3.4	
	TOT %	1.8	.9	.4	.4	.0	.2	.4	.4	.0	.9	5.2	
1<2	PCP	.1	.0	.1	.1	.4	.0	.0	1.2	.0	.0	1.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.4	
	TOT %	.1	.0	.1	.1	.4	.0	.1	1.4	.0	.0	2.2	
2<5	PCP	.4	.3	.6	.4	.6	.4	.2	.1	.0	.0	3.1	
	NO PCP	.4	.3	.2	.0	.0	.2	.3	1.2	.0	.0	2.5	
	TOT %	.7	.6	.9	.4	.6	.6	.5	1.3	.0	.0	5.6	
5<10	PCP	.8	1.3	1.7	2.4	1.2	2.8	2.2	2.2	.0	1.6	16.2	
	NO PCP	3.5	2.2	3.1	1.9	1.8	7.0	7.9	6.8	.0	7.9	42.2	
	TOT %	4.4	3.4	4.8	4.3	3.0	9.8	10.1	9.0	.0	9.5	58.4	
10+	PCP	.2	.2	.0	.0	.4	.8	.0	.2	.0	.0	1.8	
	NO PCP	1.5	1.8	1.7	2.4	1.1	5.8	6.2	3.8	.0	.2	24.4	
	TOT %	1.7	2.0	1.7	2.4	1.6	6.6	6.2	4.0	.0	.2	26.2	
TOT OBS													
TOT PCT													
		9.1	7.1	8.1	7.7	5.5	17.4	17.5	16.9	.0	10.8	100.0	557

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	.4	
	4-10	.4	.0	.2	.0	.0	.2	.0	.1	.0	.0	.9	
	11-21	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.4	
	22+	.1	.2	.1	.1	.0	.0	.0	.4	.0	.0	.9	
	TOT %	.5	.3	.3	.1	.0	.2	.2	.8	.0	.2	2.5	
1/2<1	0-3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.9	1.1	
	4-10	.9	.8	.2	.0	.0	.0	.0	.1	.0	.0	1.9	
	11-21	.6	.1	.3	.0	.0	.0	.3	.0	.0	.0	1.2	
	22+	.1	.0	.1	.1	.0	.2	.4	.1	.0	.0	.9	
	TOT %	1.7	.8	.4	.4	.0	.2	.4	.4	.0	.9	5.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.1	.0	.0	.4	.0	.0	.0	.7	
	11-21	.0	.0	.0	.0	.2	.0	.1	.1	.0	.0	.4	
	22+	.1	.0	.0	.0	.2	.0	.0	1.0	.0	.0	1.2	
	TOT %	.1	.0	.3	.1	.4	.0	.1	1.4	.0	.0	2.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.5	.7	.3	.2	.2	.1	.2	.0	.0	2.3	
	11-21	.4	.1	.4	.2	.4	.2	.3	.3	.0	.0	2.1	
	22+	.2	.1	.1	.0	.0	.2	.1	.8	.0	.0	1.4	
	TOT %	.7	.7	1.1	.4	.6	.6	.5	1.2	.0	.0	5.8	
5<10	0-3	.7	.1	.3	.0	.0	.3	.3	.7	.0	9.4	11.7	
	4-10	2.0	1.9	3.9	2.8	.9	2.4	1.6	1.6	.0	.0	17.2	
	11-21	1.3	1.1	.3	.5	1.5	4.2	4.5	3.6	.0	.0	17.0	
	22+	.3	.3	.5	.9	.5	3.0	3.7	2.9	.0	.0	12.0	
	TOT %	4.3	3.4	5.0	4.2	2.9	9.9	10.0	8.8	.0	9.4	57.9	
10+	0-3	.2	.1	.6	.2	.0	.0	.0	.0	.0	.2	1.2	
	4-10	1.3	1.1	.6	1.2	.9	1.8	2.1	2.0	.0	.0	11.0	
	11-21	.2	.7	.3	.9	.6	3.7	3.3	1.9	.0	.0	11.5	
	22+	.0	.2	.4	.2	1.1	.7	.0	.0	.0	.0	2.7	
	TOT %	1.6	1.9	1.7	2.6	1.7	6.5	6.1	3.9	.0	.2	26.4	
TOT OBS													
TOT PCT													
		9.0	7.1	8.7	7.8	5.6	17.3	17.2	16.7	.0	10.6	100.0	565

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975AREA 0019 SOUTH GEORGIA
53.95 36.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL OBS	NH <5/8 ANY HGT	TOTAL OBS
00003	4.3	2.2	2.2	4.3	28.3	45.7	2.2	.0	.0	.0	89.1	10.9	46
06009	.0	.0	3.0	12.1	36.4	30.3	3.0	3.0	.0	.0	87.9	12.1	33
12015	6.5	2.2	.0	10.9	26.1	30.4	8.7	2.2	.0	.0	87.0	13.0	46
18021	.0	4.3	6.5	4.3	13.0	43.5	6.5	.0	.0	.0	78.3	21.7	46
TOT	5	4	5	13	43	65	9	2	0	0	146	25	171
PCT	2.9	2.3	2.9	7.6	25.1	38.0	5.3	1.2	.0	.0	85.4	14.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<3	3<10	10+	TOTAL OBS
00003	2.2	5.1	2.9	5.9	64.0	19.9	136
06009	3.4	5.7	1.7	5.7	66.9	16.6	179
12015	3.6	5.8	2.2	6.5	52.9	29.0	138
18021	3.1	4.7	1.6	3.7	58.1	28.8	191
TOT	20	34	13	34	388	151	640
PCT	3.1	5.3	2.0	5.3	60.6	23.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	4.4	11.1	17.8	73.3	8.9	45
06009	.0	3.0	21.2	66.7	12.1	33
12015	4.4	11.1	24.4	62.2	13.3	45
18021	.0	13.0	17.4	69.0	19.6	46
TOT	4	17	34	112	23	169
PCT	2.4	10.1	20.1	66.3	13.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
50/54	.0	.0	.0	.4	.0	.0	.2	.2	4	.8
49/49	.0	.2	.6	1.0	.8	1.4	.2	.4	23	4.5
40/44	.0	.0	.0	.6	2.5	2.2	3.9	5.5	75	14.7
39/39	.0	.0	.2	1.0	1.2	6.8	16.8	24.5	258	50.5
30/34	.0	.0	.0	.0	.8	4.1	9.6	14.9	150	29.4
29/29	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	1	4	15	27	74	157	233	511	100.0
PCT	.0	.2	.8	2.9	5.3	14.5	30.7	45.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.4	.0	.4	.0	.0
.0	.2	.0	.1	.1	1.2	.9	1.3	.0	.8
1.3	.3	.5	1.2	.2	1.7	3.3	4.2	.0	2.2
4.7	3.4	4.6	3.3	2.2	6.9	11.1	7.0	.0	7.2
2.3	2.1	2.5	2.7	2.7	10.0	3.5	2.2	.0	1.4
.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
8.3	6.0	7.7	7.3	5.4	20.2	18.7	13.0	.0	11.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	49	46	42	35	32	32	31	35.8	175
06009	50	48	44	35	31	30	29	36.1	212
12015	56	49	45	37	33	31	31	37.4	198
18021	50	49	46	36	33	32	31	37.2	252
TOT	56	49	44	36	32	31	29	36.7	837

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.5	2.5	11.9	26.3	56.8	88	118
06009	.0	5.6	3.7	13.0	32.7	45.1	85	162
12015	.0	3.1	7.0	23.3	34.1	32.6	83	129
18021	.0	4.0	6.8	11.9	30.1	47.2	85	176
TOT	0	23	30	86	181	265	85	585

DECEMBER

PERIOD: (PRIMARY) 1926-1975
(OVER-ALL) 1926-1975

TABLE 17

AREA 0019 SOUTH GEORGIA
53.95 36.4W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	29 32	33 36	37 40	41 44	43 48	TOT	% FOG	% FOG
11/13	.0	.0	.0	.0	.2	1	.0	.2
9/10	.0	.0	.0	.5	.7	5	.0	1.2
7/8	.0	.0	.0	.7	.2	4	.2	.7
6	.0	.0	1.2	.7	.0	8	.0	1.9
5	.0	.0	1.6	1.6	.0	14	.5	2.8
4	.0	.5	4.7	.2	.0	23	.5	4.9
3	.0	2.1	7.3	.5	.0	42	1.4	8.5
2	.0	5.4	4.5	.0	.0	42	.9	8.9
1	.0	11.7	7.3	.0	.0	81	2.1	16.9
0	1.6	18.3	1.6	.0	.0	92	.9	20.7
-1	.9	10.1	.9	.0	.0	51	.2	11.7
-2	1.2	6.6	.2	.0	.0	34	.9	7.0
-3	2.1	2.6	.2	.0	.0	21	.2	4.7
-4	.7	.5	.2	.0	.0	6	.2	1.2
-11/-13	.0	.2	.2	.0	.0	2	.0	.5
TOTAL	28	128	18	5	426	35		391
PCT	6.6	58.0	30.0	4.2	1.2	100.0	8.2	91.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.8	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	1.6	.0	.0	.0	8.3	.0	1.8	1.0	.0	.0	.0	2.8
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.2	.0	.0	.0	.2
7	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	6.7	4.3	.0	.0	.0	12.0	.0	1.8	2.8	.0	.0	.0	4.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
1-2	2.2	3.5	.6	.0	.0	.0	6.3	.2	2.0	1.6	.0	.0	.0	3.9
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	3.5	.6	.0	.0	.0	6.3	.2	2.8	4.1	.8	.0	.0	7.9

PERIOD: (OVER-ALL) 1963-1975

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AREA 0019 SOUTH GEORGIA
53.9S 36.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	1.6	.0	.0	.0	4.1	.0	2.8	.0	.0	.0	.0	2.8	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	2.4	.0
5-6	.0	.0	.8	.0	.0	.0	.8	.0	.0	2.4	1.0	.0	.0	3.5	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	.8	.0	.0	5.1	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	2.4	.0	.0	4.3	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	1.6	.0	.0	1.8	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	2.4	.0	.0	.0	4.9	.0	2.8	11.2	5.9	.0	.0	19.9	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.3	2.8	.0	.0	.0	7.1	.0	3.3	2.8	.0	.0	.0	6.1	.0
3-4	.0	.8	.0	.0	.0	.0	.8	.0	1.6	3.5	.8	.0	.0	5.9	.0
5-6	.0	.8	2.4	1.4	.0	.0	4.7	.0	.8	.0	.0	.8	.0	1.6	.0
7	.0	.0	9.6	.0	.0	.0	9.6	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.4	.8	.0	.0	2.2	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	1.4	1.6	.0	.0	3.0	.0	.0	.0	.8	.0	.0	.8	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.0	1.6	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.9	17.7	4.7	.0	.0	28.3	.0	5.7	6.3	2.4	1.6	.0	16.1	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.8	.8	.0	.0	.0	.0	1.6	
1-2	2.4	26.8	12.2	.0	.0	.0	41.5	
3-4	.0	2.4	10.6	.8	.0	.0	13.8	
5-6	.0	1.6	7.3	2.4	.8	.0	12.2	
7	.0	.0	14.6	1.6	.0	.0	16.3	
8-9	.0	.0	3.3	3.3	.0	.0	6.5	
10-11	.0	.0	.0	.8	.0	.0	.8	
12	.0	.0	1.6	4.1	.0	.0	5.7	
13-16	.0	.0	.0	.8	.0	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.3	31.7	49.6	13.8	1.6	.0	100.0	123

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
4-6	.0	6.5	10.4	3.2	6.5	.6	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	43	4
6-7	.0	5.8	10.4	13.6	7.1	5.2	1.9	3.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	6
8-9	.0	.0	1.3	1.9	3.2	1.3	1.3	2.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
10-11	.0	.0	.0	.6	2.6	1.3	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	11	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
13-14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
14-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
15-16	.0	1.3	.0	.6	1.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	7	6
TOTAL	1	21	34	31	32	13	8	10	2	0	1	0	0	0	0	0	1	0	0	154	6
PCT	.6	13.6	22.1	20.1	20.8	8.4	5.2	6.5	1.3	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	100.0	

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	9.7	4.0	4.4	.4	15.7	.0	.1	31.6	.1	.0	17.3	.1	.3	.0	25.6
NE	7.5	1.7	3.4	.0	25.5	.0	.3	36.6	.0	.0	20.8	.0	.1	.0	25.8
E	11.6	1.2	2.4	1.7	17.5	.0	.2	29.7	4.2	.0	19.2	.3	.0	.0	42.3
SE	5.0	.6	2.6	.0	19.1	.0	.6	24.7	1.8	.3	11.1	.0	.0	.0	53.7
S	3.4	1.0	1.8	.0	19.7	.0	.6	25.0	.3	.0	7.3	.0	.2	.0	50.7
SW	5.2	1.9	.7	.1	14.1	.0	.4	19.4	.4	.0	9.1	.1	.7	.0	62.1
W	2.7	1.5	3.2	.0	11.5	.6	.5	19.1	.8	.0	13.7	.0	.6	.1	57.4
NW	7.1	2.8	2.5	.1	18.7	.2	.1	30.4	3.0	.0	18.2	.0	.3	.0	48.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	5.6	.2	1.9	.0	5.6	.0	.0	12.9	.0	.1	17.6	.0	.0	.0	44.3
TOT PCT	7.3	1.9	2.7	.3	16.6	.2	.2	26.9	1.7	*	14.2	.1	.3	*	56.7
TOT OBS	3685														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	9.6	2.7	3.7	.2	18.2	.0	.0	28.6	.4	*	16.6	.1	.1	.0	45.8
0600	5.1	1.4	3.7	1.0	16.7	.0	.2	27.4	.4	.1	16.0	.1	.2	.1	47.6
1200	10.9	1.1	1.8	.1	13.2	.0	.4	27.7	1.4	.0	13.1	.1	.4	.0	49.0
1800	5.5	2.0	2.0	.0	13.5	.6	.2	24.3	3.4	.0	12.4	*	.5	.0	59.4
TOT PCT TOT OBS	7.3 4044	1.8	2.7	.3	16.3	.2	.2	26.6	1.7	*	14.5	*	.3	*	56.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	2.3	2.6	.6	.1	*		6.3	11.1	6.6	4.4	7.4	6.7	5.6	7.2	6.0	5.5	
NE	.2	1.8	2.8	.3	.2	*		5.3	10.4	3.4	2.0	3.9	4.6	9.5	6.7	7.8	6.1	
E	1.3	2.8	1.1	.4	1.8	*		7.4	10.9	8.3	9.5	5.1	5.8	8.9	8.4	5.1	4.4	
SE	.4	3.4	1.8	1.4	.2	.0		7.1	12.1	7.4	6.3	7.7	6.3	8.2	5.3	5.3	3.6	
S	.2	2.0	1.6	.9	.3	.0		5.0	12.8	7.0	5.0	6.8	3.1	4.8	3.1	5.3	3.0	
SW	.5	3.5	6.2	1.9	.8	*		13.0	14.3	13.0	10.9	13.6	14.5	14.3	8.8	14.4	9.4	
W	.4	6.2	8.6	3.8	1.1	.1		20.2	13.3	26.2	15.9	19.1	19.2	21.7	21.2	21.2	17.0	
NW	.9	6.3	16.6	3.8	1.1	.2		29.0	18.6	15.8	18.8	19.8	23.5	18.3	24.3	28.0	24.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	6.9							6.9	.0	4.1	10.5	8.4	12.0	2.3	6.6	3.9	7.8	
TOT OBS							4177		14.9	450	409	683	408	452	497	859	421	
TOT PCT	11.3	28.3	41.3	13.0	5.6	.5		100.0		91.7	83.3	91.7	91.7	91.7	91.7	100.0	83.3	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40				00	03	06	12
N	1.3	3.0	1.5	.4	.1	6.3	11.1	5.3	7.1	6.1	6.0
NE	1.0	2.7	1.3	.3	.0	5.3	10.4	2.7	4.2	7.2	6.7
E	2.4	2.6	.5	1.4	.5	7.4	10.9	10.9	5.5	9.8	5.6
SE	1.5	3.3	1.2	.8	.2	7.1	12.1	7.1	6.9	8.0	7.1
S	1.0	2.1	1.1	.6	.1	5.0	12.8	5.6	5.4	4.1	4.6
SW	1.6	5.4	4.2	1.5	.2	13.0	14.3	11.8	13.8	11.4	13.6
W	2.6	7.4	7.0	2.9	.3	20.2	13.3	22.9	17.2	18.8	21.7
NW	3.5	7.6	14.9	2.4	.5	29.0	18.6	17.3	21.8	21.2	29.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.9					6.9	.0	7.9	9.8	5.0	5.2
TOT OBS					4177		14.9	859	1089	949	1280
TOT PCT	21.7	34.3	31.8	10.3	1.9	100.0		91.7	91.7	91.7	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	7.9	3.7	31.5	30.2	11.5	6.7	.1	13.0	91.7	859
06009	9.8	3.7	29.4	33.1	10.4	3.0	.3	11.6	91.7	1089
12015	5.0	4.8	27.1	33.1	15.2	6.3	.3	14.1	91.7	949
18021	5.2	3.6	25.8	42.7	14.5	7.4	.9	16.1	100.0	1280
TOT								14.9		4177
PCT	6.9	4.5	28.3	41.3	13.0	5.6	.5	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.1	.1	6.9	4.2		5.4
NE	.2	.2	.8	2.1		3.4
E	.	.	1.2	6.1		3.0
SE	.9	.1	1.4	4.7		4.9
S	2.0	.3	1.8	1.6		3.4
SW	1.1	2.0	3.9	5.4		4.6
W	6.4	3.2	8.2	8.4		5.3
NW	1.3	1.0	6.1	16.0		5.5
VAR	.0	.0	.0	.0		.0
CALM	.1	.3	.2	1.8		2.9
TOT OBS					1203	
TOT PCT	12.1	7.2	30.5	50.2	100.0	6.3

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
1.9	.4	.1	.5	1.3	1.9	4.3	.1	.1	.1	.7	
.6	.1	.2	.2	.8	.7	.	.	.0	.0	.6	
.7	.	1.0	.2	2.4	.4	2.7	.0	.0	.0	.3	
.1	.	.3	.5	4.3	.6	.1	.0	.0	.0	1.1	
.	.0	.2	.5	1.1	.7	.4	.0	.	.0	2.8	
.9	.0	.1	.9	3.2	2.7	.5	.	.0	.3	3.8	
.8	.	.3	3.1	4.7	1.8	2.5	1.2	.0	.2	11.5	
1.3	.3	8.9	1.5	5.6	1.7	.7	.	.0	.2	4.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.9	.1	.1	.1	.4	.3	.	.0	.0	.1	.4	
7.3	.9	11.1	7.5	23.8	10.7	10.5	1.4	.1	.9	25.8	1203
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>1/10	>0
>OR >6500	.7	.9	.9	.9	.9	1.0	1.0	1.0
>OR >5000	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
>OR >4500	5.6	6.4	12.7	12.7	12.7	12.7	12.7	12.7
>OR >2000	12.1	17.2	22.2	22.2	22.3	22.3	22.3	23.4
>OR >1000	24.4	36.3	43.9	43.4	45.8	45.9	45.9	47.0
>OR >600	25.5	40.7	50.6	52.4	53.1	53.5	53.5	54.5
>OR >300	25.6	42.2	62.0	64.0	64.7	65.4	65.4	66.5
>OR >150	25.7	42.3	62.2	64.3	65.3	66.3	66.3	67.4
>OR >0	25.8	42.8	63.5	66.0	68.1	71.1	73.4	74.4

TOTAL NUMBER OF OBS: 1216

PCT FREQ NH <5/8: 25.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
4.9	6.5	3.9	4.1	6.3	3.8	5.1	17.2	41.6	6.6	1200

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.2	.1	.2	.1	.1	.1	.2	1.3	.0	.3	2.4	
	NO PCP	1.0	.3	.1	.3	.1	.4	1.4	1.1	.0	.6	5.2	
	TOT %	1.2	.4	.3	.4	.2	.5	1.6	2.4	.0	.9	7.6	
1/2<1	PCP	.3	.4	.6	.2	.1	.5	.4	.5	.0	.3	3.2	
	NO PCP	.3	.1	.1	.2	.5	.2	.4	1.1	.0	.5	3.4	
	TOT %	.5	.5	.7	.4	.7	.7	.8	1.6	.0	.8	6.7	
1<2	PCP	.4	.8	.2	.6	.2	.1	.9	1.0	.0	.2	4.2	
	NO PCP	.1	.1	.2	.2	.2	.1	.4	.7	.0	.7	2.7	
	TOT %	.5	.9	.4	.8	.2	.2	1.3	1.6	.0	.8	6.8	
2<5	PCP	.4	.5	.3	.5	.5	.3	1.3	1.1	.0	.1	5.0	
	NO PCP	.3	.2	1.1	.4	.2	.5	1.1	9.9	.0	.4	14.1	
	TOT %	.7	.7	1.4	.8	.7	.8	2.4	11.0	.0	.6	19.1	
5<10	PCP	.5	.5	1.1	.7	.4	1.1	1.6	1.1	.0	.7	7.6	
	NO PCP	1.3	.8	1.3	2.0	1.3	4.5	7.4	6.1	.0	2.9	27.6	
	TOT %	1.8	1.3	2.4	2.7	1.7	5.6	9.0	7.2	.0	3.5	35.2	
10+	PCP	.1	.2	.8	.2	.2	1.0	.1	.2	.0	.2	2.7	
	NO PCP	.9	.8	1.2	3.0	1.9	4.2	5.5	3.6	.0	1.1	22.7	
	TOT %	.9	.8	2.0	3.0	2.0	5.2	5.6	3.8	.0	1.1	24.4	
TOT OBS													3473
TOT PCT		9.6	4.6	7.2	8.1	5.4	13.1	20.6	27.7	.0	7.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.1	.1	.1	.1	.0	.0	.2	.0	.0	.9	1.4	
	4-10	.4	.2	.2	.1	.1	.4	.7	.8	.0		2.7	
	11-21	.9	.1	.1	.2	.2	.1	.7	.8	.0		2.4	
	22+	.2	.1	.2	.2	.1	.2	.2	.6	.0		1.3	
	TOT %	1.2	.4	.3	.4	.2	.5	1.6	2.4	.0	.9	7.9	
1/2<1	0-3	.2	.0	.2	.2	.1	.1	.2	.0	.0	.8	1.1	
	4-10	.2	.2	.4	.3	.4	.3	.4	.6	.0		2.7	
	11-21	.2	.3	.3	.1	.2	.1	.2	.6	.0		1.8	
	22+	.2	.2	.2	.2	.1	.2	.2	.4	.0		1.0	
	TOT %	.5	.5	.7	.4	.7	.7	.8	1.6	.0	.8	6.6	
1<2	0-3	.1	.2	.2	.1	.0	.2	.2	.4	.0	.8	1.2	
	4-10	.1	.2	.3	.6	.1	.2	.2	.6	.0		1.8	
	11-21	.3	.6	.2	.1	.1	.2	.2	.6	.0		2.2	
	22+	.2	.2	.1	.2	.2	.2	.6	.6	.0		1.6	
	TOT %	.5	.9	.4	.8	.2	.2	1.3	1.6	.0	.8	6.8	
2<5	0-3	.2	.0	.2	.2	.2	.2	.5	.4	.0	.5	.9	
	4-10	.2	.2	.5	.3	.2	.2	.5	.4	.0		2.5	
	11-21	.3	.5	.2	.2	.2	.5	1.3	9.9	.0		13.2	
	22+	.1	.2	.7	.2	.2	.2	.6	.6	.0		2.6	
	TOT %	.7	.7	1.4	.8	.6	.9	2.4	11.0	.0	.5	19.1	
5<10	0-3	.3	.1	.3	.2	.2	.2	.4	.4	.0	3.4	4.9	
	4-10	.6	.6	.7	1.8	.5	1.4	2.2	2.0	.0		10.0	
	11-21	.6	.6	.2	.4	.7	2.5	4.3	2.8	.0		12.1	
	22+	.3	.1	1.2	.4	.4	1.5	2.2	1.9	.0		7.9	
	TOT %	1.8	1.3	2.4	2.7	1.7	5.6	8.9	7.1	.0	3.4	35.0	
10+	0-3	.2	.1	.1	.2	.2	.2	.1	.1	.0	1.1	1.5	
	4-10	.6	.4	.9	.8	.8	.8	2.0	1.7	.0		8.1	
	11-21	.3	.3	.2	1.0	.6	3.4	2.2	1.3	.0		9.2	
	22+	.2	.2	.9	1.2	.6	1.0	1.3	.7	.0		5.8	
	TOT %	1.0	.8	2.1	3.0	2.0	5.2	5.5	3.8	.0	1.1	24.6	
TOT OBS													3563
TOT PCT		5.6	4.6	7.3	8.1	5.5	13.2	20.5	27.6	.0	7.5	100.0	

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	8.5	.2	1.2	5.9	21.9	10.3	13.9	.0	.0	.9	62.7	29.0	299
06009	12.0	1.5	1.7	5.7	18.8	9.9	1.9	.3	.0	.6	52.3	22.7	239
12015	4.9	.7	2.2	8.8	27.9	8.5	10.6	.3	.1	.6	64.7	18.6	337
18021	3.3	1.3	14.2	8.3	23.7	11.7	2.4	2.1	.2	1.0	68.3	23.4	363
TOT PCT	7.2	.9	12.0	7.4	23.3	10.5	10.1	1.3	.1	.8	73.5	26.5	1238 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	11.3	6.3	4.9	13.5	40.7	14.9	813
06009	9.6	6.9	6.2	9.8	40.2	19.0	1087
12015	4.2	6.2	5.5	7.2	31.6	36.9	826
18021	6.1	6.5	8.8	19.0	33.3	26.5	1200
TOT PCT	7.8	6.6	6.6	18.6	36.6	23.8	3926 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	8.3	13.0	33.0	41.3	17.4	292
06009	11.9	16.2	27.7	23.3	22.1	234
12015	4.9	8.7	22.4	43.5	17.5	334
18021	4.9	22.0	35.5	34.2	22.0	356
TOT PCT	8.1	22.8	40.4	36.3	23.3	1216 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	*	.0	.0	.0	.0	.0	*	*
55/59	.0	.0	*	*	*	.1	.0	.1	.2	.2
50/54	.0	.0	.0	.1	.1	.1	.2	.2	.7	.7
45/49	.0	.1	.1	.2	.6	.7	.7	.4	2.8	2.8
40/44	.0	.0	*	.2	1.2	1.5	2.8	4.2	9.9	9.9
35/39	.0	.0	.1	.3	1.1	4.4	6.4	20.8	33.1	33.1
30/34	.0	.0	.0	.0	1.7	2.6	17.6	21.1	43.0	43.0
25/29	.0	.0	.0	.4	1.3	1.4	2.0	3.8	8.8	8.8
20/24	.0	.0	.0	.0	.0	1.3	.0	.3	1.5	1.5
TOTAL PCT	.0	.1	.2	1.2	6.1	11.8	29.8	50.8	2433	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	*	.0	.0
.0	.0	.0	.0	.0	*	*	.1	.0	.1
.0	.0	*	*	*	.2	.1	.3	.0	.0
.1	.1	.0	.1	*	.6	.5	1.2	.0	.2
.7	.5	.2	.4	.3	1.1	2.0	3.7	.0	1.0
2.4	2.1	2.1	3.4	1.3	4.1	7.4	7.9	.0	2.3
1.6	2.0	3.4	2.9	2.4	6.5	9.8	13.6	.0	.8
.2	.4	1.7	.9	1.5	.7	2.1	.7	.0	.6
.1	.0	.0	1.3	.0	.0	.0	.2	.0	.0
5.1	5.2	7.5	8.9	5.6	13.2	21.9	27.7	.0	4.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	55	39	36	31	28	26	22	36.7	978
06009	56	41	38	31	27	25	21	36.5	1287
12015	60	41	38	32	29	27	25	37.9	1114
18021	59	43	41	34	30	29	24	37.6	1512
TOT	60	44	41	34	30	28	21	37.2	4892

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	2.8	14.9	13.3	59.2	87		87	541
06009	.0	1.2	6.4	9.2	29.4	45.4	87		87	773
12015	.0	3.0	9.4	13.0	22.3	43.9	86		86	584
18021	.0	1.4	4.6	10.6	31.7	49.7	83		83	874
TOT	0	74	195	389	704	1410	86			2772

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PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976AREA 0019 SOUTH GEORGIA
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	21 24	25 28	29 32	33 36	37 40	41 44	45 48	49 52	53 56	57 60	TOT	N FOG	WD FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
14/16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
11/13	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	9	*	.1
9/10	.0	.0	.0	.0	.1	.2	.3	.1	*	.0	27	*	.6
7/8	.0	.0	.0	.0	.2	.4	.1	*	.0	.0	31	*	.7
6	.0	.0	.0	.1	.4	.5	.2	.1	.0	.0	46	.2	1.1
5	.0	.0	.0	.4	.6	.6	.2	*	.0	.0	70	.2	1.5
4	.0	.0	.0	.7	1.2	.8	*	*	.0	.0	106	.6	2.1
3	.0	.0	.0	2.3	2.4	1.2	*	.0	.0	.0	222	1.3	4.6
2	.0	.0	.5	4.4	3.8	1.1	.0	.0	.0	.0	305	1.4	8.4
1	.0	.1	2.5	6.8	4.4	.9	.1	.0	.0	.0	447	2.5	12.4
0	.0	.0	2.5	7.5	3.9	.4	.1	.0	.0	.0	448	2.0	12.3
-1	.0	.3	8.1	5.3	3.0	.2	.1	.0	.0	.0	386	3.8	13.2
-2	.0	.1	12.2	3.7	1.0	.0	.0	.0	.0	.0	205	.6	16.5
-3	.0	.2	1.4	1.6	.4	.0	.0	.0	.0	.0	140	.2	3.4
-4	.0	1.2	.6	1.6	.1	*	.0	.0	.0	.0	71	.1	3.5
-5	.0	2.6	.5	.4	*	.0	.0	.0	.0	.0	51	.4	3.2
-6	.0	.8	.6	.1	*	.0	.0	.0	.0	.0	27	.0	1.5
-7/-8	.9	.1	.1	.1	*	.0	.0	.0	.0	.0	17	*	1.2
-9/-10	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	1	.0	*
-11/-13	.0	.1	*	*	.1	.0	.0	.0	.0	.0	5	.0	.2
TOTAL											2616		
PCT	.9	5.5	29.0	35.2	21.7	6.1	1.2	.3	*	*	100.0	13.5	86.5

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.2	.0	.0	.0	.0	.3	.1	.3	.0	.0	.0	.0	.4
1-2	.0	2.9	1.3	.0	.0	.0	4.2	.1	.8	.4	.0	.0	.0	1.3
3-4	.0	.5	1.1	.3	.0	.0	1.9	.0	.4	1.3	.3	.0	.0	2.0
5-6	.0	.2	.6	.0	.0	.0	.9	.0	.2	.3	.0	.0	.0	.5
7	.0	.1	.7	*	.0	.0	.8	.0	.1	.3	.1	.0	.0	.4
8-9	.0	.1	.2	.1	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.3	.0	.0	.3	.0	.0	.0	*	.0	.0	*
12	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	*	.0	.0	*	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	3.9	4.1	.8	*	.0	8.9	.2	1.9	2.3	.4	.0	.0	4.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	*	1.1	.0	.0	.0	.0	1.2	.0	.3	.0	.0	.0	.0	.3
1-2	.5	1.8	.1	.0	.0	.0	2.5	*	.8	.2	.0	.0	.0	1.1
3-4	.0	1.0	.2	.1	.0	.0	1.3	.0	1.0	.5	*	.0	.0	1.6
5-6	.0	.1	.1	.9	.0	.0	1.0	.0	.2	2.0	1.7	.0	.0	3.9
7	.0	.1	.1	.1	.0	.0	.3	*	.0	.3	.1	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.2
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	*	.0	.0	.3
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	4.1	.6	1.1	.0	.0	6.3	.1	2.3	3.4	2.1	.0	.0	7.9

PERIOD: (OVER-ALL) 1963-1976

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AREA 0019 SOUTH GEORGIA
53.95 36.44

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.4	.0	.0	.0	.0	.4	.1	1.1	.0	.0	.0	.0	1.2	
1-2	.0	1.0	.8	.0	.0	.0	1.8	.0	.6	1.0	.0	.0	.0	1.7	
3-4	.0	.5	.8	.1	.0	.0	1.4	.0	.7	.8	.2	.0	.0	1.7	
5-6	.0	.7	.5	.0	.0	.0	1.2	.0	.4	2.8	.2	.1	.0	3.5	
7	.0	.0	.0	.1	.0	.0	.1	.0	.1	2.0	.4	.0	.0	2.4	
8-9	.0	.0	.1	.0	.0	.0	.1	.0	.0	.5	.6	.0	.0	1.1	
10-11	.0	.0	.1	.2	.0	.0	.3	.0	.0	.1	.2	.0	.0	.3	
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	.2	.1	.0	.4	
13-16	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.1	.4	.0	.0	.6	
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.1	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.2	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.2	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.6	2.9	1.4	.2	.0	7.0	.1	2.9	7.5	2.4	.6	*	13.6	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.2	.1	.0	.0	.0	.0	.3	.0	.3	.0	.0	.0	.0	.3	
1-2	*	1.3	3.2	.0	.0	.0	4.6	.1	3.3	.9	.0	.0	.0	4.3	
3-4	.0	1.2	3.3	.1	.0	.0	4.6	.0	1.6	3.1	.2	.0	.0	4.9	
5-6	.0	.3	2.2	.4	.3	.0	3.2	.0	.1	3.2	.9	.2	.0	4.4	
7	.0	.0	1.8	.1	*	.0	2.0	.0	*	1.2	.2	.1	*	1.6	
8-9	.0	.0	.7	.4	.0	.0	1.1	.0	.0	.3	11.7	.0	.0	12.0	
10-11	.0	.0	.9	.5	.1	.0	1.5	.0	*	.1	.3	*	.0	.5	
12	.0	.0	.2	.3	.1	.0	.6	.0	.0	.2	.2	.0	.0	.4	
13-16	.0	.0	.0	.3	*	.0	.3	.0	.0	.0	.3	.1	.0	.4	
17-19	.0	.0	.0	.1	.0	.0	.1	.0	.1	.0	.3	.1	.0	.5	
20-22	.0	.0	.0	.0	*	.0	*	.0	.0	.0	.0	.1	.0	.1	
23-25	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.1	.0	.1	
26-32	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	*	
33-40	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	2.9	12.4	2.3	.6	.2	18.6	.1	5.6	9.0	14.2	.6	.1	29.5	96.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.8	3.9	.0	.0	.0	.0	7.7	
1-2	.9	12.6	8.0	.0	.0	.0	21.5	
3-4	.0	6.9	11.2	1.2	.0	.0	19.2	
5-6	.0	2.2	11.7	4.1	.6	.0	18.6	
7	*	.4	6.4	1.0	.1	*	8.1	
8-9	.0	.1	1.8	13.0	.0	.0	14.9	
10-11	.0	*	1.4	1.6	.1	.0	3.2	
12	.0	.0	.6	.9	.2	.0	1.7	
13-16	.0	.0	1.0	2.1	.2	*	3.2	
17-19	.0	.1	.0	.7	.2	.0	1.1	
20-22	.0	.0	.0	.1	.3	.0	.3	
23-25	.0	.0	.0	.0	.3	.1	.4	
26-32	.0	.0	.0	.0	.1	.1	.1	
33-40	.0	.0	.0	.0	.0	.1	.1	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.8	26.2	42.0	24.7	2.0	.3	100.0	890

PERIOD: (OVER-ALL) 1999-1992

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	4.1	5.6	4.5	3.9	1.2	.7	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	330
6-7	.0	3.8	6.3	14.6	8.8	4.4	2.2	.8	2.9	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	332
8-9	.0	1.7	.8	1.3	1.6	3.7	1.0	.6	2.0	*	*	*	*	.0	.0	.0	.0	.0	.0	.0	102
10-11	.0	.2	.2	.1	.5	.8	2.2	.2	.3	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	46
12-13	.0	.0	.5	.0	.2	.0	.0	.0	.1	*	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	12
>13	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	*	.0	.1	.0	.0	.0	.0	.0	4
INDET	4.3	3.6	.8	1.1	.8	.6	1.0	.7	1.3	.9	.4	.3	*	.1	.0	.0	.0	.0	.0	.0	196
TOTAL PCT	5.2	13.3	14.3	21.5	19.9	10.6	7.1	2.5	6.6	1.6	.5	.5	.1	.1	1.2	.0	.0	.0	.0	.0	1022

PERIOD: (PRIMARY) 1910-1976
(OVER-ALL) 1902-1976

TABLE 20

APEA 0019 SOUTH GEORGIA
53.95 36.4W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
73/74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.1	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.2	.6	.2
45/46	.2	1.1	.4	2.1	.0	.0	.0	.0	.0	.0	.0	.2	2.0	.6
43/44	.5	.4	.3	2.9	.0	.0	.0	.0	.0	.0	.0	.3	2.0	.6
41/42	1.3	3.9	5.5	3.2	.0	.0	.0	.0	.0	.0	.0	.2	85	2.4
39/40	11.8	35.0	35.9	10.9	.0	9.1	.0	.0	.0	1.0	.0	.2	588	16.7
37/38	36.0	39.6	40.6	35.2	6.9	9.1	.0	.0	.0	1.0	3.5	19.0	1021	29.1
35/36	37.9	35.8	34.5	36.4	44.4	27.3	.0	.0	.0	2.9	14.2	42.6	890	25.3
33/34	12.0	4.2	1.3	7.0	30.6	54.5	.0	6.7	15.2	34.3	22.2	32.8	468	13.3
31/32	.3	1.4	.6	.9	12.5	.0	100.0	65.0	66.7	27.5	49.7	4.6	310	8.8
29/30	.0	.3	.7	.3	4.2	.0	.0	28.3	18.2	32.4	10.4	.0	103	2.9
27/28	.0	.0	.1	.0	1.4	.0	.0	.0	.0	1.0	.0	.0	3	.1
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	602	709	677	341	72	11	1	66	102	288	585	3514	100.0	
MEAN	36.6	37.8	36.0	37.2	34.0	34.9	32.0	30.9	31.4	31.7	32.4	35.0	34.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	997	998	996	997	996	998	996	997	997	848
FEB	996	992	994	997	997	996	995	994	995	723
MAR	995	996	995	996	995	995	995	995	995	862
APR	999	997	997	997	992	996	995	998	996	533
MAY	986	997	999	1000	996	1001	999	997	998	141
JUN	995		1000	1009	972	1007	993		994	13
JUL										
AUG	1013	988	1004	998	1010	996	1000	997	1002	40
SEP	1012	989	1015	995	1010	986	1002	991	1001	41
OCT	994	1002	1007	1005	1002	1001	1005	1007	1004	120
NOV	996	995	994	995	995	996	996	99	995	376
DEC	996	996	994	995	995	995	995	996	995	767
ANN	998	995	1000	999	996	997	997	997	996	4444
OBS	453	461	734	461	442	538	902	473		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	969	975	979	988	996	1005	1016	1018	1021
FEB	964	967	974	986	996	1003	1013	1018	1022
MAR	963	970	977	988	995	1002	1013	1018	1023
APR	963	965	974	988	997	1006	1014	1018	1025
MAY	968	973	980	993	999	1005	1013	1019	1021
JUN	969	969	969	990	996	1003	1008	1008	1009
JUL									
AUG	972	972	973	978	1006	1016	1020	1021	1022
SEP	977	977	977	987	1001	1015	1023	1023	1024
OCT	974	975	976	989	1007	1017	1025	1030	1031
NOV	962	967	976	988	996	1003	1014	1018	1021
DEC	963	967	975	989	996	1003	1010	1014	1020

PERIOD: (PRIMARY) 1864-1976
(COVER-ALL) 1855-1976

JANUARY

A25A 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	13.3	.0	13.3	.0	.0	.0	.0	26.7	.0	.0	8.3	.0	.0	.0	65.0
NE	7.7	.0	.0	.0	.0	.0	.0	7.7	.0	.0	19.2	.0	.0	.0	73.1
E	4.1	.0	.0	.0	.0	.0	.0	4.1	.0	.0	.0	.0	.0	.0	95.9
SE	14.8	.0	.0	.0	.0	.0	.0	14.8	3.7	.0	.0	.0	.0	.0	81.5
S	.0	.0	.0	.0	.0	.0	.0	.0	8.1	.0	.0	.0	.0	.0	91.9
SW	3.2	1.6	.8	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	94.4
W	2.5	1.2	1.9	.0	.0	.0	.0	5.6	.0	2.5	2.5	.0	.0	.0	91.9
NW	.0	.0	3.4	.0	.0	.0	.0	3.4	6.8	.0	15.3	.0	.0	.0	74.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	3.9	.7	2.6	.0	.0	.0	.0	7.2	2.0	.7	5.2	.0	.0	.0	85.6
TOT OBS:	153														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	5.7	.0	2.9	.0	.0	.0	.0	8.6	.0	2.9	5.7	.0	.0	.0	85.7
06009	7.0	2.3	2.3	.0	.0	.0	.0	11.6	2.3	.0	2.3	.0	.0	.0	83.7
12015	2.6	.0	2.6	.0	.0	.0	.0	5.3	2.6	.0	5.3	.0	.0	.0	86.8
18021	.0	.0	2.5	.0	.0	.0	.0	2.5	2.5	.0	7.5	.0	.0	.0	87.5
TOT PCT	3.8	.6	2.6	.0	.0	.0	.0	7.1	1.9	.6	5.1	.0	.0	.0	85.9
TOT OBS:	156														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47							00	03	06	09	12	15	18	21
N	.5	3.8	8.8	3.3	.5	.0		.0	16.9	16.1	16.1	18.8	17.6	16.0	17.1	13.0	18.7	16.1	
NE	.8	3.3	4.7	2.1	.1	.1		.1	11.0	14.5	11.6	16.7	10.3	12.3	9.3	7.4	11.3	12.8	
E	.3	2.7	2.2	.7	*	.0		.0	6.0	12.6	5.9	2.1	4.9	6.9	5.2	.0	7.4	8.0	
SE	.6	1.6	1.8	.4	.0	.0		.0	4.4	10.9	2.8	12.5	4.7	4.2	4.7	.0	5.4	4.0	
S	.6	2.5	3.2	1.2	.2	.0		.0	7.7	14.0	8.8	.0	10.3	7.8	7.3	7.4	6.3	6.5	
SW	.3	2.0	5.7	3.0	.6	.0		.0	12.5	17.3	14.9	4.2	12.8	8.7	13.7	7.4	13.8	11.3	
W	.9	4.3	6.2	3.3	.8	*		.0	15.6	15.9	14.3	18.8	16.4	16.9	16.9	29.6	12.2	13.1	
NW	.7	6.9	11.2	4.9	.5	*		.0	24.2	15.7	23.0	27.1	21.5	24.7	23.9	35.2	23.7	26.1	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	1.7							.0	1.7	.0	2.0	.0	1.4	2.4	1.9	.0	1.2	2.0	
TOT OBS	87	384	604	260	37	2	1374		15.1		200	24	213	166	375	27	170	199	
TOT PCT	6.3	27.9	44.0	18.9	2.7	.1	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40						00	06	12	18
N	1.7	6.3	7.7	1.2	.1		16.9	16.1	16.4	16.9	16.8	17.3	
NE	1.8	5.0	3.3	.8	.1		11.0	14.5	12.2	11.2	9.2	12.1	
E	1.1	3.5	1.1	.3	*		6.0	12.6	5.5	5.8	4.9	7.7	
SE	1.5	1.9	.9	.1	.0		4.4	10.9	3.8	4.5	4.4	4.7	
S	1.7	3.0	2.5	.5	*		7.7	14.0	7.8	9.2	7.3	6.4	
SW	1.4	4.2	5.2	1.6	.1		12.5	17.3	13.7	11.0	13.3	12.5	
W	2.6	6.1	4.8	1.8	.3		15.6	15.9	14.7	16.6	17.8	12.7	
NW	2.3	10.5	9.0	2.2	.1		24.2	15.7	24.1	22.9	24.6	25.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.7						1.7	.0	1.8	1.8	1.7	1.6	
TOT OBS	217	555	474	117	11	1374			224	379	402	369	
TOT PCT	15.8	40.4	34.5	8.5	.8	100.0			100.0	100.0	100.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

APEA 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00403	1.8	4.0	26.3	45.5	19.2	2.7	.4	15.5	100.0	224
06409	1.8	4.7	30.6	43.8	15.6	3.4	.0	14.4	100.0	379
12415	1.7	4.0	25.9	44.3	21.9	2.0	.2	15.7	100.0	402
18421	1.6	5.4	28.5	42.8	19.0	2.7	.0	14.9	100.0	369
TOT	24	63	384	604	260	37	2	15.1		1374
PCT	1.7	4.6	27.9	44.0	18.9	2.7	.1		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.0	.7	1.9	3.2		5.8
NE	1.9	1.2	1.0	.7		3.6
E	1.9	.0	1.9	6.4		6.1
SE	.0	.0	.0	6.1		6.0
S	1.0	.0	3.4	1.7		5.8
SW	3.4	6.1	7.3	4.4		4.7
W	3.9	5.6	5.6	7.0		5.2
NW	1.5	1.0	5.1	12.1		6.9
VAR	.0	.0	.0	.0		.0
CALM	1.9	.0	1.0	.0		3.0
TOT OBS	17	13	28	43	103	5.6
TOT PCT	16.5	14.6	27.2	41.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.7	.0	.0	.7	.0	.5	1.9	.0	.0	.0	2.9	
NE	.0	.0	.0	.0	1.2	.5	.0	.0	.0	.0	3.2	
E	.0	.0	1.0	1.9	.7	3.9	1.0	.0	.0	.0	1.9	
SE	.0	.0	1.0	4.1	1.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	1.7	1.9	.0	1.0	.0	.0	.0	1.5	
SW	.0	.0	.0	2.2	1.2	1.9	2.9	1.0	.0	.0	11.9	
W	.0	.0	1.0	1.7	3.4	3.6	1.0	.0	.0	.0	11.4	
NW	3.2	.0	1.0	6.1	1.2	3.2	1.9	.0	.0	.0	3.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.9	
TOT OBS	4	0	4	19	11	15	10	1	0	0	39	103
TOT PCT	3.9	.0	3.9	15.4	10.7	14.6	9.7	1.0	.0	.0	37.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)			VSBY (NH)			VSBY (NH)		
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	>0
>4500	.0	.0	.0	.0	.0	.0	.0	.0	.0
>4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>3500	10.6	11.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
>3000	17.3	26.0	26.9	26.9	26.9	26.9	26.9	26.9	26.9
>2000	20.2	36.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
>1000	26.0	49.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7
>600	26.0	49.0	58.7	60.6	60.6	60.6	60.6	60.6	60.6
>300	26.0	49.0	58.7	60.6	60.6	60.6	60.6	60.6	60.6
>150	26.0	49.0	58.7	60.6	60.6	60.6	60.6	60.6	60.6
>0	26.0	50.0	59.6	61.5	61.5	62.5	64.4	64.4	64.4
TOTAL	27	52	62	64	64	65	67	67	67

TOTAL NUMBER OF OBS: 104

PCT FREQ NH <5/8: 35.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
5.3	9.6	4.4	10.5	6.1	6.1	8.8	8.8	37.7	114

PERIOD: (PRIMARY) 1964-1976
(OVER-ALL) 1955-1976

JANUARY

AREA 0020 TRISTAN DA CUNHA GROUP
38.4S 10.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.3	.0	.0	.0	.0	.0	.0	3.0	.0	.0	3.3	
	TOT %	.3	.0	.0	.0	.0	.0	.0	3.0	.0	.0	3.3	
1/2<1	PCP	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.7	
1<2	PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.7	.7	.0	.0	1.4	
	TOT %	.0	.0	.0	.7	.0	.0	.7	.7	.0	.0	2.0	
2<5	PCP	2.4	.0	.0	.0	.0	.0	.7	.0	.0	.0	3.1	
	NO PCP	.3	.0	1.3	.2	.5	.2	1.2	2.1	.0	.0	5.9	
	TOT %	3.1	.0	1.3	.2	.5	.2	1.8	2.1	.0	.0	9.0	
5<10	PCP	.0	.3	.3	.0	.0	.2	.3	.7	.0	.0	2.0	
	NO PCP	1.8	1.6	2.6	2.3	1.6	6.3	6.9	4.4	.0	.7	28.2	
	TOT %	1.8	2.0	3.0	2.3	1.6	6.4	7.4	5.1	.0	.7	30.2	
10+	PCP	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7	
	NO PCP	4.6	2.3	3.8	1.3	3.9	12.5	16.3	8.6	.0	.7	53.7	
	TOT %	4.6	2.3	3.8	1.3	3.9	13.2	16.3	8.6	.0	.7	54.6	
TOT OBS													152
TOT PCT		9.9	4.3	8.1	4.4	6.1	20.1	26.5	19.4	.0	1.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	11-21	.3	.0	.0	.0	.0	.0	.6	1.5	.0	.0	2.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	TOT %	.3	.0	.0	.0	.0	.0	.6	2.8	.0	.0	3.7	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.6	
	TOT %	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	
	11-21	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	1.9	
	22+	.0	.0	.0	.6	.0	.6	.6	.6	.0	.0	2.5	
	TOT %	.0	.0	.0	.6	.0	1.5	2.2	.6	.0	.0	4.9	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.6	.0	.0	.0	.0	.2	1.1	.0	.0	.0	1.9	
	11-21	1.2	.0	.0	.2	.5	.9	.3	.0	.0	.0	3.1	
	22+	1.1	.0	1.2	.0	.0	.0	1.5	2.3	.0	.0	6.2	
	TOT %	2.9	.0	1.2	.2	.5	1.1	2.9	2.3	.0	.0	11.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.9	.3	.0	.6	1.9	
	4-10	.0	1.5	1.5	.0	.6	1.9	2.8	.9	.0	.0	9.3	
	11-21	1.7	.3	.6	2.2	.9	1.2	1.9	3.5	.0	.0	12.3	
	22+	.0	.0	.6	.0	.0	2.9	1.4	.0	.0	.0	4.9	
	TOT %	1.7	1.9	2.8	2.2	1.5	6.0	6.9	4.8	.0	.6	28.4	
10+	0-3	.6	.0	.0	.0	1.1	.3	.5	.0	.0	.6	3.1	
	4-10	2.3	.0	1.2	.0	.6	3.7	4.8	2.2	.0	.0	14.8	
	11-21	1.4	2.2	2.3	1.2	2.0	7.1	6.3	4.6	.0	.0	27.2	
	22+	.0	.0	.0	.0	.0	1.2	3.7	1.2	.0	.0	6.2	
	TOT %	4.3	2.2	3.5	1.2	3.7	12.3	15.3	8.0	.0	.6	51.2	
TOT OBS													162
TOT PCT		9.3	4.0	7.6	4.2	5.7	21.3	28.2	18.5	.0	1.2	100.0	

JANUARY

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1854-1976AREA 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	7.4	.0	7.4	14.8	14.8	3.7	11.1	.0	.0	.0	59.3	40.7	27
06009	4.2	.0	.0	25.0	8.3	29.2	8.3	.0	.0	.0	75.0	25.0	24
12015	.0	.0	7.4	7.4	18.5	14.8	11.1	3.7	.0	.0	63.0	37.0	27
18021	3.3	.0	.0	23.3	3.3	10.0	13.3	.0	.0	.0	53.3	46.7	30
TOT	4	0	4	19	12	15	12	1	0	0	67	41	108
PCT	3.7	.0	3.7	17.6	11.1	13.9	11.1	.9	.0	.0	62.0	38.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	2.8	.0	.0	8.3	30.6	58.3	36
06009	2.1	2.1	4.3	17.0	36.2	38.3	47
12015	2.5	.0	12.5	2.5	25.0	57.5	40
18021	7.0	.0	2.3	14.0	20.9	55.8	43
TOT	6	1	8	18	47	86	166
PCT	3.6	.6	4.8	10.8	28.3	51.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00003	7.7	15.4	30.8	30.8	38.5	26
06009	4.2	4.2	33.3	41.7	25.0	24
12015	.0	7.7	15.4	50.0	34.6	26
18021	3.6	3.6	12.1	25.0	42.9	28
TOT	4	8	29	38	37	104
PCT	3.8	7.7	27.9	36.5	35.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL DBS	PCT FREQ
70/74	.0	.0	.0	.0	1.0	.0	1.0	.0	2	2.0
65/69	.0	.0	.0	.0	1.0	2.0	10.1	3.0	16	16.2
60/64	.0	.0	.0	3.0	5.1	6.1	13.1	12.1	39	39.4
55/59	.0	.0	.0	.0	5.1	7.1	7.1	6.1	25	25.3
50/54	.0	.0	.0	2.0	1.0	5.1	3.0	5.1	16	16.2
45/49	.0	.0	.0	.0	1.0	.0	.0	.0	1	1.0
TOTAL	0	0	0	5	14	20	34	26	99	100.0
PCT	.0	.0	.0	5.1	14.1	20.2	34.3	26.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	1.0	1.0	.0	.0
1.3	.0	5.1	.0	.0	3.0	4.0	2.8	.0	.0
2.8	2.8	1.8	.0	1.5	11.1	9.3	9.1	.0	1.0
.8	.0	2.0	.5	3.5	5.8	3.3	8.3	.0	1.0
.0	.0	3.0	5.3	.8	2.0	4.0	.0	.0	.0
.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0
4.8	2.8	11.9	6.8	5.8	23.0	21.7	21.2	.0	2.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	74	72	67	60	52	50	48	59.8	214
06009	75	73	69	60	53	50	49	60.4	371
12015	78	76	71	62	55	51	50	62.6	398
18021	76	75	71	62	54	51	49	62.0	358
TOT	78	74	70	61	53	50	48	61.4	1341

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	15.4	19.4	19.2	23.1	26.9	79	26
06009	.0	.0	11.5	13.4	38.5	34.6	85	26
12015	.0	4.3	13.0	26.1	39.1	17.4	80	23
18021	.0	3.7	14.8	22.2	37.0	22.2	81	27
TOT	0	6	14	21	35	26	81	102

JANUARY

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.45 10.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	N FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.8	1	.0	.8
9/10	.0	.0	.0	.0	.0	.8	1	.0	.8
7/8	.0	.0	.0	.8	.0	.8	2	.0	1.6
6	.0	.0	.0	.0	.8	.0	1	.0	.8
5	.0	.0	2.4	2.4	4.8	.0	12	1.6	8.0
4	.0	.0	.0	3.2	4.0	.0	9	.8	6.4
3	.0	.0	.8	2.4	1.6	.0	6	.0	4.8
2	.0	.0	1.6	5.6	1.6	.0	11	.8	8.0
1	.0	.8	.8	4.8	.8	.0	9	.8	6.4
0	.0	1.6	2.4	4.8	.8	.0	12	.0	9.6
-1	1.6	.0	2.4	2.4	.0	.0	8	.0	6.4
-2	4.0	1.6	4.0	.8	.0	.0	13	.0	10.4
-3	1.6	1.6	2.4	4.0	.0	.0	12	.0	9.6
-4	1.6	.8	2.4	1.6	.8	.0	9	.8	6.4
-5	.8	.8	1.6	.0	.0	.0	4	.0	3.2
-6	.8	.0	2.4	.8	.0	.8	6	.0	4.8
-7/-8	.8	.0	1.6	.8	.0	.0	4	.0	3.2
-9/-10	.0	.8	.0	1.6	.0	.0	3	.0	2.4
-11/-13	.0	1.6	.0	.0	.0	.0	2	.0	1.6
TOTAL	14	12	31	45	19	4	125	6	119
PCT	11.2	9.6	24.8	36.0	15.2	3.2	100.0	4.8	95.2

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4	.0	.0	.0	2.9
3-4	1.4	2.9	2.9	.0	.0	.0	7.1	.0	.0	3.2	.0	.0	.0	3.2
5-6	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	.4	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.4	2.9	3.9	1.1	.0	.0	9.3	.0	1.4	5.0	.0	.0	.0	6.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.9	2.9	.0	.0	.0	5.7	.0	.0	4.6	.0	.0	.0	4.6
3-4	.0	1.4	2.5	4.3	.0	.0	8.2	.0	.0	.0	1.4	.0	.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	5.4	4.3	.0	.0	13.9	.0	.0	4.6	1.4	.0	.0	6.1

PERIOD: (OVER-ALL) 1963-1976

JANUARY

AREA 0020 TRISTAN DA CUNHA GROUP
38.4S 10.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	1.4	1.4	.0	.0	.0		.0	2.9
1-2	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	4.3	7.1	.0	.0	.0		.0	11.4
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0		.0	1.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.2	1.4	.0	.0	.0		.0	4.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0		.0	1.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	8.9	12.9	.0	.0	.0		21.8	

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0		.0	1.4
1-2	.0	1.4	5.7	.0	.0	.0	7.1	.0	.0	1.4	1.4	.0	.0	.0		.0	2.9
3-4	.0	.0	2.9	.0	.0	.0	2.9	.0	.0	.0	1.4	7.1	.0	.0		.0	8.6
5-6	.0	1.1	1.4	1.4	1.4	.0	5.4	.0	.0	.0	1.4	.0	.0	.0		.0	1.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0		.0	1.4
8-9	.0	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0		.0	.0
10-11	.0	.0	2.9	.0	.0	.0	2.9	.0	.0	.0	1.4	.0	.0	.0		.0	1.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0
TOT PCT	.0	2.5	12.9	2.9	1.4	.0	19.6	.0	.0	2.9	7.1	7.5	.0	.0		17.5	95.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	4.3	2.9	1.4	.0	.0	.0	8.6	
1-2	.0	11.4	24.3	.0	.0	.0	35.7	
3-4	1.4	4.3	14.3	12.9	.0	.0	32.9	
5-6	.0	4.3	4.3	2.9	1.4	.0	12.9	
7	.0	.0	4.3	.0	.0	.0	4.3	
8-9	.0	.0	.0	1.4	.0	.0	1.4	
10-11	.0	.0	4.3	.0	.0	.0	4.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.7	22.9	52.9	17.1	1.4	.0	100.0	70

PERIOD: (OVER-ALL) 1950-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	.0	17.0	13.8	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	3
6-7	.0	1.1	3.2	13.8	6.4	3.2	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	6
8-9	.0	.0	.0	4.3	2.1	7.4	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	7
10-11	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	3.2	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
INDET	4.3	.0	.0	2.1	3.2	2.1	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	6
TOTAL	4	17	17	22	12	15	5	1	0	0	0	1	0	0	0	0	0	0	0	0	94	5
PCT	4.3	18.1	18.1	23.4	12.8	16.0	5.3	1.1	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

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AREA 0020 TRISTAN DA CUNHA GROUP
38.35 10.34

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	18.2	.0	.0	.0	.0	.0	.0	18.2	10.9	.0	.0	.0	.0	.0	70.9
NE	10.5	.0	.0	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
E	12.5	50.0	.0	.0	.0	.0	.0	62.5	.0	.0	.0	.0	.0	.0	37.5
SE	4.0	16.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
S	.0	11.5	7.7	.0	.0	.0	.0	19.2	.0	.0	.0	.0	.0	.0	80.8
SW	.0	7.0	6.1	.0	.0	.0	.0	13.0	.0	.0	.0	.0	1.7	.0	85.2
W	11.7	5.8	8.7	.0	.0	.0	.0	28.2	2.9	.0	1.9	.0	1.9	.0	67.0
NW	11.0	17.6	4.4	.0	.0	.0	.0	39.0	12.1	.0	2.2	.0	.0	.0	52.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	7.5	9.8	4.5	.0	.0	.0	.0	21.8	3.8	.0	.8	.0	.8	.0	72.9
TOT OBS	133														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	12.5	8.3	8.3	.0	.0	.0	.0	29.2	12.5	.0	.0	.0	.0	.0	58.3
06009	8.9	8.9	4.4	.0	.0	.0	.0	22.2	4.4	.0	2.2	.0	.0	.0	71.1
12015	3.2	9.7	3.2	.0	.0	.0	.0	16.1	.0	.0	.0	.0	.0	.0	83.9
18021	10.5	10.5	2.6	.0	.0	.0	.0	23.7	2.6	.0	.0	.0	2.6	.0	71.1
TOT PCT	8.7	9.4	4.3	.0	.0	.0	.0	22.5	4.3	.0	.7	.0	.7	.0	71.7
TOT OBS	138														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.7	3.3	9.4	3.4	.4	.2		17.3	16.8		17.4	19.4	18.9	16.7	17.8	.0	17.2	16.8
NE	.1	3.8	4.7	1.9	*	.0		10.5	14.4		10.1	5.6	10.5	10.0	9.2	.0	12.2	13.9
E	.3	1.3	1.3	.7	.4	.2		4.2	17.4		3.8	.0	4.8	5.0	4.3	.0	4.6	3.5
SE	.7	1.7	2.4	.1	*	.2		5.1	12.3		5.2	8.3	4.5	5.0	5.2	7.1	4.2	6.0
S	.1	3.3	4.7	1.4	.0	*		9.6	14.1		6.9	11.1	9.9	11.3	11.5	7.1	9.5	7.0
SW	.4	3.2	5.5	3.8	.5	.1		15.6	18.4		19.1	16.7	16.2	13.3	14.3	32.1	12.2	17.4
W	.1	5.4	6.0	2.9	.5	.1		15.0	15.3		12.8	5.6	14.8	15.8	15.3	39.7	17.9	13.0
NW	.4	4.9	9.2	4.6	.9	.2		20.3	17.2		23.3	22.2	18.1	21.3	21.4	10.7	19.8	18.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0		1.4	11.1	2.4	1.7	1.0	7.1	2.3	4.4
TOT OBS	55	279	448	217	30	11	1040		15.8		144	18	167	120	288	14	131	158
TOT PCT	5.3	26.9	43.1	20.9	2.9	1.1	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.9	5.7	7.5	2.0	.2			17.3	16.8	17.6	17.9	17.0	17.0
NE	1.4	5.2	3.0	.9	.0			10.5	14.4	9.6	10.3	8.8	13.1
E	1.1	1.3	1.1	.3	.4			4.2	17.4	3.4	4.9	4.1	4.0
SE	1.6	2.2	1.1	.0	.2			5.1	12.3	5.6	4.7	5.3	5.2
S	1.1	5.2	2.8	.4	*			9.6	14.1	7.4	10.5	11.3	8.1
SW	1.8	4.4	7.3	1.7	.5			15.6	18.4	18.8	15.0	15.1	15.1
W	2.0	7.4	4.3	1.1	.3			15.0	15.3	12.0	15.2	16.2	15.2
NW	1.9	7.6	8.4	1.8	.5			20.3	17.2	23.1	19.4	20.9	18.9
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	2.3							2.3	.0	2.5	2.1	1.3	3.5
TOT OBS	156	407	369	85	23	1040		15.8		162	287	302	289
TOT PCT	15.0	39.1	35.5	8.2	2.2	100.0		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

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38.55 10.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000Z	2.5	3.7	27.8	42.6	15.8	2.5	1.2	15.5	100.0	162
0600Z	2.1	4.2	26.1	42.5	21.3	2.8	1.0	15.8	100.0	287
1200Z	1.3	3.0	32.1	40.7	19.2	3.0	.7	15.1	100.0	302
1800Z	3.5	1.4	21.5	46.4	22.8	3.1	1.4	16.7	100.0	289
TOT	24	31	279	448	217	30	11	15.8		1040
PCT	2.3	3.0	26.8	43.1	20.9	2.9	1.1	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	.0	4.7	10.4		6.7
NE	5.7	.0	1.9	2.8		4.0
E	.0	.0	.0	.0		.0
SE	5.7	.0	4.7	.0		3.8
S	1.9	.9	8.5	.9		5.5
SW	2.4	.9	7.1	5.2		5.9
W	1.4	1.9	9.0	3.3		5.9
NW	.0	1.9	9.4	7.5		6.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	3	24	16	53	5.7
TOT PCT	18.9	5.7	45.3	30.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.9	.0	4.7	10.4		6.7
NE	5.7	.0	1.9	2.8		4.0
E	.0	.0	.0	.0		.0
SE	5.7	.0	4.7	.0		3.8
S	1.9	.9	8.5	.9		5.5
SW	2.4	.9	7.1	5.2		5.9
W	1.4	1.9	9.0	3.3		5.9
NW	.0	1.9	9.4	7.5		6.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	3	24	16	53	5.7
TOT PCT	18.9	5.7	45.3	30.2	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >8500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >3500	1.8	3.6	3.6	3.6	3.6	3.6	3.6	3.6
= OR >2000	12.5	14.3	14.3	14.3	14.3	14.3	14.3	14.3
= OR >1000	32.1	42.9	44.6	44.6	44.6	44.6	44.6	44.6
= OR >600	32.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
= OR >300	32.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
= OR >150	32.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
= OR >0	32.9	50.0	51.8	51.8	51.8	51.8	51.8	51.8
TOTAL	19	28	29	29	29	29	29	29

TOTAL NUMBER OF OBS: 56

PCT FREQ NH <5/8: 48.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.9	14.8	9.8	6.6	13.1	1.6	18.0	8.2	23.0	.0	61

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1858-1976

FEBRUARY

AREA 0020 TRISTAN DA CUNHA GROUP
38.95 10.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	PCP	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
	NO PCP	.4	.4	.0	.0	.0	.4	.8	.4	.0	.0	.0	2.3	
	TOT %	1.1	.4	.0	.0	.0	.4	.8	.4	.0	.0	.0	3.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	1.3	.8	.0	.0	.0	2.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.6	.9	.0	.0	.0	1.5	
	TOT %	.0	.0	.0	.0	.0	.0	2.1	1.7	.0	.0	.0	3.8	
5<10	PCP	1.1	.8	1.9	1.9	1.9	2.3	2.6	4.9	.0	.0	.0	17.3	
	NO PCP	1.7	.4	.8	1.5	1.1	11.3	4.9	4.7	.0	.8	.0	27.1	
	TOT %	2.8	1.1	2.6	3.4	3.0	13.5	7.5	9.6	.0	.8	.0	44.4	
10+	PCP	.0	.0	.0	.0	.0	.6	.9	.0	.0	.0	.0	1.5	
	NO PCP	6.4	5.6	.4	6.0	6.8	7.1	8.1	5.5	.0	1.5	.0	47.4	
	TOT %	6.4	5.6	.4	6.0	6.8	7.7	9.0	5.5	.0	1.5	.0	48.9	
TOT OBS														133
TOT PCT		10.3	7.1	3.0	9.4	9.8	21.6	19.4	17.1	.0	2.3	100.0		

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	4-10	.8	.0	.0	.0	.0	.4	.8	.4	.0	.0	2.3	2.3
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.1	.4	.0	.0	.0	.4	.8	.4	.0	.0	3.0	3.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	1.5	.8	.0	.0	2.3	2.3
	11-21	.0	.0	.0	.0	.0	.0	.6	.2	.0	.0	.8	.8
	22+	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	.8
	TOT %	.0	.0	.0	.0	.0	.0	2.1	1.7	.0	.0	3.8	3.8
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8	.8
	4-10	1.1	.0	.4	1.1	.4	2.6	2.3	1.9	.0	.0	9.8	9.8
	11-21	1.1	.4	.4	.4	2.3	3.0	3.4	4.1	.0	.0	15.0	15.0
	22+	.6	.8	1.9	1.9	.4	7.9	1.9	3.6	.0	.0	18.8	18.8
	TOT %	2.8	1.1	2.6	3.4	3.0	13.5	7.5	9.6	.0	.8	44.4	44.4
10+	0-3	.0	.0	.0	1.5	.0	.0	.0	.0	.0	1.5	3.0	3.0
	4-10	4.1	3.4	.0	2.3	4.5	5.1	4.7	3.8	.0	.0	27.8	27.8
	11-21	2.3	2.3	.4	2.3	1.5	1.5	3.2	1.7	.0	.0	15.0	15.0
	22+	.0	.0	.0	.0	.8	1.1	1.1	.0	.0	.0	3.0	3.0
	TOT %	6.4	5.6	.4	6.0	6.8	7.7	9.0	5.5	.0	1.5	48.9	48.9
TOT OBS													133
TOT PCT		10.3	7.1	3.0	9.4	9.8	21.6	19.4	17.1	.0	2.3	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.55 10.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	14.3	35.7	14.3	.0	.0	.0	.0	64.3	35.7	14
06009	.0	.0	.0	7.7	38.5	.0	.0	7.7	.0	.0	53.8	46.2	13
12015	.0	.0	.0	6.3	25.0	12.5	.0	.0	.0	.0	43.8	56.3	16
18021	.0	.0	.0	.0	18.8	12.5	.0	6.3	.0	.0	37.5	62.5	16
TOT	0	0	0	4	17	6	0	2	0	0	29	30	59
PCT	.0	.0	.0	6.8	28.8	10.2	.0	3.4	.0	.0	49.2	50.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	4.0	.0	44.0	52.0	23
06009	.0	.0	6.4	8.5	48.9	36.2	47
12015	.0	.0	.0	3.0	39.4	57.6	33
18021	.0	.0	2.6	7.7	43.6	46.2	39
TOT	0	0	5	8	64	67	144
PCT	.0	.0	3.5	5.6	44.4	46.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	14.3	50.0	35.7	14
06009	.0	.0	7.7	46.2	46.2	13
12015	.0	.0	13.3	33.3	53.3	15
18021	.0	.0	7.1	42.9	50.0	14
TOT	0	0	6	24	26	56
PCT	.0	.0	10.7	42.9	46.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	1.2	.0	2.4	2.4	5	6.0
65/69	.0	.0	.0	1.2	.0	.0	3.6	14.3	16	19.0
60/64	.0	.0	.0	.0	8.3	4.8	13.1	3.6	25	29.8
55/59	.0	.0	.0	2.4	1.2	2.4	13.1	7.1	22	26.2
50/54	.0	.0	.0	.0	4.8	1.2	2.4	1.2	8	9.5
45/49	.0	.0	.0	.0	.0	1.2	3.6	4.8	8	9.5
TOTAL	0	0	0	3	13	8	32	28	84	100.0
PCT	.0	.0	.0	3.6	15.5	9.5	38.1	33.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.2	.0	.0	.0	.0	.0	.0	1.2	3.6	.0	.0
4.8	1.2	.0	.0	1.8	2.4	2.7	5.7	.0	.0	.0
5.4	3.0	.0	1.2	3.6	7.4	7.4	1.8	.0	.0	.0
3.0	1.2	.0	3.6	1.8	5.4	2.4	7.7	.0	1.2	.0
.0	.0	.6	.6	.0	6.3	1.8	.0	.0	.0	.0
.0	.0	3.0	3.0	.6	3.0	.0	.0	.0	.0	.0
14.3	5.4	3.6	8.9	7.7	24.7	15.5	18.8	.0	1.2	

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	73	71	69	62	52	50	48	61.3	159
06009	73	72	69	62	53	46	46	61.9	275
12015	78	75	73	64	55	52	45	64.1	295
18021	75	74	72	63	54	51	46	63.0	283
TOT	78	74	71	63	54	49	45	62.8	1012

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	5.6	11.1	.0	5.6	33.3	44.4	85	18	18
06009	.0	.0	12.0	.0	8.0	44.0	36.0	86	25	25
12015	.0	.0	26.3	.0	15.8	36.8	21.1	81	19	19
18021	.0	8.0	24.0	.0	8.0	32.0	28.0	79	25	25
TOT	0	3	16	.0	8	32	28	83	87	87

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PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1856-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.5S 10.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.0	1.1	.0	1	.0	1.1
7/8	.0	.0	.0	.0	.0	2.2	1.1	3	.0	3.3
5	.0	.0	.0	.0	.0	3.3	1.1	4	1.1	3.3
4	.0	.0	.0	1.1	2.2	4.4	2.2	9	.0	9.9
3	.0	.0	.0	.0	.0	.0	1.1	1	.0	1.1
2	.0	.0	.0	9.5	3.3	4.4	2.2	14	.0	15.4
1	.0	.0	.0	2.2	1.1	1.1	.0	4	.0	4.4
0	.0	.0	.0	3.3	2.2	.0	.0	5	.0	5.5
-1	.0	.0	4.4	6.6	2.2	3.3	.0	15	.0	16.5
-2	.0	.0	.0	7.7	3.3	1.1	.0	11	.0	12.1
-3	.0	1.1	1.1	5.5	1.1	1.1	.0	9	.0	9.9
-4	.0	1.1	2.2	1.1	.0	.0	.0	4	.0	4.4
-5	.0	.0	1.1	.0	.0	.0	.0	1	.0	1.1
-6	.0	.0	1.1	1.1	1.1	.0	.0	3	.0	3.3
-7/-8	1.1	.0	.0	3.3	.0	.0	.0	4	.0	4.4
-9/-10	1.1	.0	.0	1.1	.0	.0	.0	2	.0	2.2
-14/-16	.0	.0	.0	1.1	.0	.0	.0	1	.0	1.1
TOTAL	2	2	9	36	15	20	7	91	1	90
PCT	2.2	2.2	9.9	39.6	16.5	22.0	7.7	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	4.5	9.1	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	9.1	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5

PERIOD: (OVER-ALL) 1963-1976

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38.55 10.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	5.7	.0	.0	.0	.0		5.7
1-2	.0	.0	4.5	.0	.0	.0	4.5	.0	.0	18.2	.0	.0	.0	.0		18.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	4.5	.0	.0	.0		5.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	.0	.0	.0		4.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	4.5	.0	.0	.0	4.5	.0	.0	25.0	9.1	.0	.0	.0	34.1	

HGT	W							PCT	NW							TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.4	.0	.0	.0	.0	3.4	.0	4.5	4.5	.0	.0	.0	.0	9.1	.0
5-6	.0	3.4	8.0	.0	.0	.0	11.4	.0	1.1	5.7	.0	.0	.0	.0	6.8	.0
7	.0	3.4	.0	.0	.0	.0	3.4	.0	1.1	.0	.0	.0	.0	.0	1.1	.0
8-9	.0	.0	.0	4.5	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.6	8.0	4.5	.0	.0	26.1	.0	6.8	10.2	.0	.0	.0	.0	17.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	9.1	.0	.0	.0	.0	9.1	
1-2	.0	22.7	4.5	.0	.0	.0	27.3	
3-4	.0	13.6	18.2	.0	.0	.0	31.8	
5-6	.0	4.5	13.6	.0	.0	.0	18.2	
7	.0	4.5	4.5	.0	.0	.0	9.1	
8-9	.0	.0	.0	4.5	.0	.0	4.5	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	54.5	40.9	4.5	.0	.0	100.0	22

PERIOD: (OVER-ALL) 1950-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.9	17.1	17.1	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	2
6-7	.0	.0	2.4	4.9	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
8-9	.0	.0	4.9	2.4	2.4	2.4	.0	.0	.0	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	7	10
10-11	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
12-13	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
13	.0	.0	.0	.0	.0	7.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDET	2.4	.0	.0	2.4	9.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
TOTAL	3	7	10	5	6	5	2	0	1	0	1	1	0	0	0	0	0	0	0	41	6
PCT	7.3	17.1	24.4	12.2	14.6	12.2	4.9	.0	2.4	.0	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

MARCH

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FGG W0 PCPN	FGG W0 PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
N	23.0	.0	.0	.0	.0	.0	.0	23.0	.0	.0	.0	.0	.0	.0	.0	77.0
NE	13.3	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	18.6	.0	.0	.0	.0	.0	.0	18.6	.0	.0	.0	.0	.0	.0	.0	81.4
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	22.0	.0	6.8	.0	.0	.0	.0	22.0	.0	.0	.0	.0	.0	.0	.0	78.0
W	6.3	.0	.0	.0	.0	.0	.0	6.3	4.2	.0	.0	.0	.0	.0	.0	89.6
NW	16.5	3.7	.0	.0	.0	.0	.0	20.2	.0	3.7	.0	.0	.0	.0	.0	76.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	13.5	.8	.8	.0	.0	.0	.0	14.3	.8	.8	.0	.0	.0	.0	.0	84.1
TOT OBS:	126															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FGG W0 PCPN	FGG W0 PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST SNOW	NO SIG WEA
00003	15.0	.0	.0	.0	.0	.0	.0	15.0	5.0	.0	.0	.0	.0	.0	.0	80.0
06009	14.8	.0	.0	.0	.0	.0	.0	14.8	.0	.0	.0	.0	.0	.0	.0	85.2
12015	12.0	2.0	2.0	.0	.0	.0	.0	14.0	.0	2.0	.0	.0	.0	.0	.0	84.0
18021	13.3	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0	86.7
TOT PCT	13.4	.8	.8	.0	.0	.0	.0	14.2	.8	.8	.0	.0	.0	.0	.0	84.3
TOT OBS:	127															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)								TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+						00	03	06	09	12	15	18	21
N	.4	2.2	8.5	6.4	.7	.0			18.1	19.3		20.0	28.6	16.1	16.1	19.7	21.4	14.0	17.8
NE	.2	3.2	10.3	3.6	.6	.0			17.8	17.1		18.8	10.7	18.8	19.8	13.9	25.0	19.1	22.9
E	.9	2.7	3.4	.4	.6	.0			7.9	13.1		11.9	10.7	8.3	10.4	5.6	.0	7.9	7.9
SE	.7	1.7	1.9	.2	.8	.0			5.4	15.0		3.5	3.6	6.6	5.2	5.9	.0	5.9	5.1
S	.2	1.9	3.6	1.8	.2	.0			7.8	16.8		7.7	10.7	8.7	7.8	6.7	10.7	8.7	8.4
SW	.4	2.5	3.4	4.5	1.1	.0			12.0	19.5		12.4	10.7	12.6	7.8	13.3	10.7	11.2	12.1
W	.6	2.9	6.3	3.1	.9	.0			13.8	17.4		11.9	7.1	15.7	14.6	14.4	10.7	15.2	11.2
NW	.7	3.0	8.7	3.4	.9	.0			16.7	17.3		13.9	17.9	12.4	18.2	19.4	21.4	18.0	14.5
VAR	.5	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5								.5	.0		.0	.0	.8	.0	1.1	.0	.0	.0
TOT OBS	37	164	373	191	47	0		812		17.3		101	14	121	96	270	14	89	107
TOT PCT	4.6	20.2	45.9	23.5	5.8	.0		100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)								TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+							00	06	12	18
N	.9	4.6	9.5	3.1	.0				18.1	19.3		21.1	16.1	19.8	16.1
NE	1.0	6.0	9.4	1.4	.0				17.8	17.1		17.8	19.2	14.4	21.2
E	1.6	4.1	1.6	.6	.0				7.9	13.1		11.7	9.2	5.3	7.9
SE	1.5	1.8	1.2	.5	.4				5.4	15.0		3.5	6.0	5.6	5.5
S	.7	2.8	3.2	1.0	.0				7.8	16.8		8.0	8.3	6.9	8.5
SW	1.1	3.4	4.8	2.3	.3				12.0	19.5		12.2	10.5	13.2	11.7
W	1.5	4.7	5.7	1.5	.4				13.8	17.4		11.9	15.2	14.3	13.0
NW	1.6	5.6	7.5	1.7	.3				16.7	17.3		14.3	15.0	19.5	16.1
VAR	.0	.0	.0	.0	.0				.0	.0		.0	.0	.0	.0
CALM	.5								.5	.0		.0	.5	1.1	.0
TOT OBS	85	269	348	99	11		812			17.3		115	217	284	196
TOT PCT	10.5	33.1	42.9	12.2	1.4		100.0					100.0	100.0	100.0	100.0

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PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47				
0000	.0	3.5	20.0	45.2	24.3	7.0	.0	17.8	100.0	115
0600	.5	2.8	18.9	49.8	21.2	6.9	.0	17.7	100.0	217
1215	1.1	4.9	20.1	43.7	25.4	4.9	.0	17.1	100.0	284
1521	.0	4.6	21.9	45.4	23.0	5.1	.0	16.9	100.0	196
TOT	4	33	164	373	191	47	0	17.3		812
PCT	.5	4.1	20.2	45.9	23.5	5.8	.0	100.0		

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

BY WIND DIRECTION						
WND DIR	0-2	3-4	5-7	8 & OBSC	TOTAL OBS	MEAN CLOUD COVER
N	.0	3.5	2.5	2.8		5.7
N E	.0	2.5	.0	4.1		6.2
E	.0	.0	3.2	1.3		7.2
S E	.0	1.3	4.7	5.1		7.1
S	.6	1.3	3.2	.0		5.1
S W	1.9	2.8	5.4	4.4		5.5
W	5.1	2.2	6.6	9.2		5.4
N W	2.5	6.6	5.5	11.1		5.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	1.3	1.3		7.0
TOT OBS	8	16	24	31	79	5.8
TOT PCT	10.1	20.3	30.4	39.2	100.0	

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH $\geq 4/8$)
AND OCCURRENCE OF NH $\leq 5/8$ BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH ANY	5/8 HGT	TOTAL DBS
.0	.0	.0	.0	2.5	.9	.0	.0	.0	.0		5.4	
1.3	.0	.0	.0	2.5	.3	.0	.0	.0	.0		2.5	
.0	.0	.0	.0	.6	.0	.0	2.5	.0	.0		1.3	
2.5	.0	.0	.0	4.4	1.6	1.3	.0	.0	.0		1.3	
.0	.0	.0	.0	.0	1.9	.0	1.3	.0	.0		1.9	
1.3	.0	.0	1.6	2.5	1.9	1.3	.0	.0	.0		6.0	
.0	.0	1.3	2.2	.0	4.1	1.3	.9	1.3	1.3		10.8	
.0	.0	.0	3.8	3.8	1.9	.0	.3	.0	.0		13.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0		.0	
4	0	1	6	14	11	3	4	1	1		34	
5.1	.0	1.3	7.6	17.7	13.9	3.8	5.1	1.3	1.3		43.0	100.0

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM ≥4/8) AND VSBY (NM)

	CEILING (FEET)	VSBY (NM)							
		≥ DR ≥10	≥ DR ≥5	≥ DR ≥2	≥ DR ≥1	≥ DR ≥1/2	≥ DR ≥1/4	≥ DR ≥50YD	≥ DR ≥0
■	DR ≥6500	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
■	DR ≥7000	6.4	6.4	7.7	7.7	7.7	7.7	7.7	7.7
■	DR ≥3500	10.3	10.3	11.5	11.5	11.5	11.5	11.5	11.5
■	DR ≥2000	23.1	23.1	24.4	24.4	24.4	24.4	24.4	24.4
■	DR ≥1000	30.8	38.5	42.3	42.3	42.3	42.3	42.3	42.3
■	DR ≥600	35.9	43.6	50.0	50.0	50.0	50.0	50.0	50.0
■	DR ≥300	37.2	44.9	51.3	51.3	51.3	51.3	51.3	51.3
■	DR ≥150	37.2	44.9	51.3	51.3	51.3	51.3	51.3	51.3
■	DR ≥ 0	37.2	44.9	53.8	56.4	56.4	56.4	56.4	56.4
	TOTAL	29	35	42	44	44	44	44	44

PCT FREQ NH 45/81 43.6

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.5	10.1	10.1	9.0	6.7	11.2	13.5	4.5	25.8	4.5	89

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	1.6	
2<5	PCP	.0	.8	.0	.8	.0	.8	.6	1.8	.0	.0	4.8	
	NO PCP	.0	.0	.0	.8	.0	.0	.0	1.6	.0	.0	2.4	
	TOT %	.0	.8	.0	1.6	.0	.8	.6	3.4	.0	.0	7.3	
5<10	PCP	3.4	.4	.0	.0	.0	.0	.0	.2	.0	.0	4.0	
	NO PCP	2.0	1.6	2.8	1.2	1.6	.8	3.2	2.8	.0	.0	16.1	
	TOT %	5.4	2.0	2.8	1.2	1.6	.8	3.2	3.0	.0	.0	20.2	
10+	PCP	.0	.0	.0	.0	.0	1.0	.6	2.4	.0	.0	4.0	
	NO PCP	8.9	6.3	2.4	5.0	6.5	8.5	14.9	12.9	.0	1.6	66.9	
	TOT %	8.9	6.3	2.4	5.0	6.5	9.5	15.5	15.3	.0	1.6	71.0	
TOT OBS													124
TOT PCT													
		14.3	9.1	5.2	8.7	8.1	11.9	19.4	21.8	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	1.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8	
	11-21	.0	.8	.0	.0	.0	.0	.0	.8	.0	.0	1.5	
	22+	.0	.0	.0	1.5	.0	.8	.6	1.7	.0	.0	4.5	
	TOT %	.0	.8	.0	1.5	.0	.8	.6	3.2	.0	.0	6.8	
5<10	0-3	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.8	
	4-10	.0	.0	.0	.0	.8	.4	.4	.0	.0	.0	1.5	
	11-21	4.4	.4	1.9	1.1	.8	.0	1.9	1.7	.0	.0	12.1	
	22+	.8	1.5	.0	.0	.0	1.1	.8	1.1	.0	.0	5.3	
	TOT %	5.1	1.9	2.7	1.1	1.5	1.5	3.0	2.8	.0	.0	19.7	
10+	0-3	1.5	.0	1.5	.0	.0	.8	.0	.0	.0	1.5	5.3	
	4-10	1.5	1.5	.0	2.3	4.0	2.3	3.6	6.8	.0	.0	22.0	
	11-21	4.2	4.0	.8	2.5	2.5	3.0	8.9	6.1	.0	.0	31.8	
	22+	1.1	.4	.0	.0	.8	5.9	3.2	1.5	.0	.0	12.9	
	TOT %	8.3	5.9	2.3	4.7	7.2	11.9	15.7	14.4	.0	1.5	72.0	
TOT OBS													132
TOT PCT													
		13.4	8.5	4.9	8.1	8.7	15.0	19.3	20.5	.0	1.5	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

MOOR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	27.3	9.1	18.2	.0	9.1	.0	9.1	72.7	27.3	11
06009	6.7	.0	.0	6.7	13.3	6.7	13.3	6.7	.0	.0	53.3	46.7	15
12015	5.4	.0	.0	2.7	18.9	16.2	2.7	2.7	2.7	.0	51.4	48.6	37
18021	5.6	.0	5.6	5.6	22.2	11.1	.0	5.6	.0	.0	55.6	44.4	18
TOT	4	0	1	6	14	11	3	4	1	1	45	36	81
PCT	4.9	.0	1.2	7.4	17.3	13.6	3.7	4.9	1.2	1.2	55.6	44.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	14.3	19.0	66.7	21
06009	.0	.0	.0	6.7	23.3	70.0	30
12015	.0	.0	2.0	5.9	17.6	74.5	51
18021	.0	.0	3.2	3.2	19.4	74.2	31
TOT	0	0	2	9	26	96	133
PCT	.0	.0	1.5	6.8	19.5	72.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET) NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	36.4	36.4	27.3	11
06009	6.7	6.7	13.3	40.0	46.7	15
12015	5.7	5.7	11.4	40.0	48.6	35
18021	5.9	11.8	23.5	35.3	41.2	17
TOT	4	5	14	30	34	78
PCT	5.1	6.4	17.9	38.5	43.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.0	1.4	.0	1	1.4
65/69	.0	1.4	.0	.0	4.2	9.7	8.3	13.9	27	37.5
60/64	.0	.0	.0	1.4	8.3	8.3	11.1	5.6	25	34.7
55/59	.0	.0	.0	.0	1.4	9.7	5.6	4.2	15	20.8
50/54	.0	.0	.0	1.4	1.4	.0	.0	2.8	4	5.6
TOTAL	0	1	0	2	11	20	19	19	72	100.0
PCT	.0	1.4	.0	2.8	15.3	27.8	26.4	26.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0
13.5	.3	5.6	.3	1.7	1.0	5.2	9.7	.0	.0
2.4	2.8	3.5	3.5	2.8	2.8	9.4	7.6	.0	.0
.0	1.4	.0	8.3	.0	1.4	3.5	8.3	.0	.0
.0	.0	.0	.0	1.0	1.7	.0	2.8	.0	.0
16.0	4.5	9.0	12.2	5.6	6.9	18.1	27.8	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	90%	5%	1%	MIN	MEAN	TOTAL OBS
00003	71	70	67	61	53	48	48	60.9	103
06009	72	70	68	62	52	49	47	61.2	199
12015	77	72	70	64	55	53	51	63.2	277
18021	76	70	69	62	54	49	48	62.0	183
TOT	77	72	69	63	53	50	47	62.1	762

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	6.7	6.7	40.0	20.0	26.7	80	15		
06009	.0	.0	23.5	23.5	23.5	29.4	80	17		
12015	.0	.0	10.0	28.6	28.6	23.8	81	21		
18021	.0	10.5	10.5	21.1	31.6	26.3	79	19		
TOT	0	3	11	20	19	19	80	72		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	63 68	69 72	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.0	.9	.0	1	.0	.9
7/8	.0	.0	.0	.0	.0	.9	1	.0	.9
5	.0	.0	.0	1.9	.9	.0	3	.0	2.8
4	.0	.0	2.8	1.9	3.7	1.9	11	.0	10.2
3	.0	.0	.0	1.9	2.8	.0	5	.0	4.6
2	.0	.0	1.9	7.4	6.5	5.6	23	.0	21.3
1	.0	.0	2.8	3.7	.9	1.9	10	.0	9.3
0	.0	1.9	3.7	6.5	1.9	1.9	17	.0	15.7
-1	.0	1.9	.9	2.8	1.9	.0	8	.0	7.4
-2	.0	1.9	3.7	1.9	1.9	.9	11	.0	10.2
-3	.9	.0	.9	1.9	.9	.0	5	.0	4.6
-4	.0	.0	.0	2.8	.9	.0	4	.0	3.7
-5	.0	.0	.0	1.9	.0	.0	2	.0	1.9
-6	.0	.0	.9	.0	.0	.0	1	.0	.9
-7/-8	.0	.0	3.7	.9	.0	.0	5	.0	4.6
-11/-13	.9	.0	.0	.0	.0	.0	1	.0	.9
TOTAL	2	6	23	38	23	14	108	0	108
PCT	1.9	5.6	21.3	35.2	23.1	13.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	2.8
3-4	.0	.0	2.1	.0	.0	.0	2.1	.0	2.8	.0	.0	.0	.0	2.8
5-6	.0	.0	8.3	.0	.0	.0	8.3	.0	.0	2.8	.0	.0	.0	2.8
7	.0	.0	.0	2.8	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	2.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	10.4	2.8	.0	.0	13.2	.0	5.6	2.8	2.8	.0	.0	11.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0	2.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	2.8	.0	5.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	5.6
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	.0	8.3	.0	13.9

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1	2.8	3.5	.0	.0	.0	.0	6.3	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	2.8	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	2.1	2.8	6.3	.7	.0	.0	.0	9.7	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOT PCT
<1	.0	2.8	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.8	.0	.0	.0	.0	2.8	.0	11.1	.0	.0	.0	.0	11.1	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	6.3	.0
5-6	.0	.0	2.8	2.8	.0	.0	5.6	.0	.0	11.1	.0	.0	.0	11.1	.0
7	.0	.0	2.1	.0	.0	.0	2.1	.0	.0	.0	2.8	.0	.0	2.8	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.6	4.9	2.8	.0	.0	13.2	.0	11.1	17.4	2.8	.0	.0	31.3	94.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.6	2.8	.0	.0	.0	.0	8.3	.0
1-2	2.8	22.2	.0	.0	.0	.0	25.0	.0
3-4	.0	5.6	8.3	.0	.0	.0	13.9	.0
5-6	.0	.0	27.8	2.8	.0	.0	30.6	.0
7	.0	.0	2.8	5.6	.0	.0	8.3	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	2.8	2.8	2.8	.0	8.3	.0
12	.0	.0	.0	.0	5.6	.0	5.6	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	8.3	30.6	41.7	11.1	8.3	.0	100.0	36

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
4-6	.0	5.7	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
6-7	.0	.0	1.9	.0	9.4	5.7	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11
8-9	.0	1.9	.0	3.8	.0	3.8	5.7	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
10-11	.0	.0	.0	.0	1.9	.0	5.7	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
12-13	.0	.0	.0	.0	.0	3.8	1.9	1.9	3.8	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	14
13-15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
15-17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7
INDET	1.9	.0	1.9	1.9	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55
TOTAL	1	4	2	3	12	7	6	8	6	3	0	1	0	0	0	0	0	0	0	0	9
PCT	1.9	7.5	3.8	5.7	22.6	13.2	11.3	15.1	11.3	5.7	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	100.0

APRIL

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976AREA 0020 TRISTAN DA CUNHA GROUP
38.25 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	5.4	.0	4.7	.0	.0	.0	.0	10.1	2.3	.0	2.3	2.3	.0	.0	82.9
NE	1.8	.0	1.8	.0	.0	.0	.0	3.6	16.1	.0	.0	.0	.0	.0	80.4
E	20.0	.0	20.0	.0	.0	.0	.0	40.0	20.0	.0	.0	.0	.0	.0	40.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	10.3	.0	.0	.0	.0	.0	89.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	4.5	.0	5.1	.0	.0	.0	.0	9.6	1.9	2.3	.0	.0	.0	.0	86.0
NW	13.2	.0	.8	.0	.0	.0	.0	14.0	7.0	.0	.8	.8	3.1	.0	74.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	80.0
TOT PCT	5.7	.0	3.2	.0	.0	.0	.0	8.9	5.7	.6	.6	.6	.6	.0	82.8
TOT OBS	157														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	5.3	.0	2.6	.0	.0	.0	.0	7.9	7.9	.0	.0	2.6	.0	.0	81.6
0600	8.2	.0	6.1	.0	.0	.0	.0	14.3	6.1	2.0	.0	.0	2.0	.0	75.5
1200	4.3	.0	2.1	.0	.0	.0	.0	6.4	4.3	.0	2.1	.0	.0	.0	87.2
1800	2.8	.0	.0	.0	.0	.0	.0	2.8	5.6	.0	.0	.0	.0	.0	91.7
TOT PCT	5.3	.0	2.9	.0	.0	.0	.0	8.2	5.9	.6	.6	.6	.6	.0	83.5
TOT OBS	170														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.2	1.9	8.3	4.8	2.0	.5		17.7	21.2		17.0	15.4	16.3	17.9	16.4	30.0	18.6	21.2
NE	.1	1.2	4.5	1.3	.4	.2		7.6	17.8		7.3	7.7	11.4	7.1	6.7	.0	6.4	7.5
E	.1	.7	1.1	.5	.0	.0		2.5	13.8		2.7	.0	1.3	2.9	2.7	.0	2.9	2.8
SE	.4	1.1	1.1	.9	.1	.0		3.6	13.9		2.7	.0	.8	2.1	6.9	.0	2.9	2.4
S	.0	1.1	3.1	2.6	.2	1.0		8.1	23.3		8.2	23.1	6.5	10.7	7.5	.0	7.6	6.1
SW	.1	1.6	6.2	6.2	1.1	.0		15.1	20.9		14.1	30.8	10.4	12.9	15.8	30.0	13.7	20.3
W	.5	4.0	8.6	5.1	2.1	1.1		21.4	20.8		22.3	11.5	24.2	25.0	18.1	30.0	24.0	20.8
NW	.6	4.9	9.3	5.7	1.6	.4		22.4	18.7		24.8	11.5	25.4	20.0	23.3	10.0	22.8	17.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.6							1.6	.0		.9	.0	1.7	1.4	2.5	.0	1.0	.9
TOT OBS	28	126	321	207	56	25	763		19.7		110	13	118	70	239	5	102	106
TOT PCT	3.7	16.5	42.1	27.1	7.3	3.3	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	03	06	12	18
N	.9	4.5	8.6	2.7	1.0			17.7	21.2		16.9	16.9	16.7	20.0	
NE	.8	2.8	2.9	.8	.3			7.6	17.8		7.3	9.8	6.6	7.0	
E	.3	1.5	.6	.1	.0			2.5	13.8		2.4	1.9	2.7	2.9	
SE	.9	1.2	1.2	.2	.0			3.6	13.9		2.4	1.3	6.8	2.6	
S	.4	2.2	3.1	1.4	1.0			8.1	23.3		9.8	9.3	7.4	6.9	
SW	.8	3.6	6.8	3.9	.1			15.1	20.9		15.9	11.3	16.1	17.1	
W	1.5	7.2	7.3	3.4	2.0			21.4	20.8		21.1	24.5	18.3	22.4	
NW	1.9	7.4	9.0	3.3	.8			22.4	18.7		23.4	23.4	23.1	20.3	
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
CALM	1.6							1.6	.0		.8	1.6	2.5	1.0	
TOT OBS	69	231	302	121	40	763			19.7		123	188	244	208	
TOT PCT	9.0	30.3	39.6	15.9	5.2	100.0					100.0	100.0	100.0	100.0	

APRIL

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

AREA 0020 TRISTAN DA CUNHA GROUP
38.25 10.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00603	.8	2.4	16.3	45.5	23.6	6.5	4.9	19.6	100.0	123
06609	1.6	1.1	19.1	37.2	26.1	10.1	4.8	20.7	100.0	188
12615	2.5	1.6	18.0	42.6	27.5	6.6	1.2	18.5	100.0	244
18621	1.0	3.4	17.5	43.8	29.8	6.3	3.4	20.1	100.0	208
TOT	12	16	126	321	207	56	25	19.7		763
PCT	1.6	2.1	16.5	42.1	27.1	7.3	3.3		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	4.8	2.7	10.3		6.2
NE	1.1	.8	2.3	3.6		6.0
E	.0	.0	.0	2.1		8.0
SE	.8	.0	1.5	.0		5.0
S	.6	.6	3.2	2.7		6.0
SW	.2	2.1	7.1	2.1		5.7
W	6.1	5.5	5.9	9.0		5.2
NW	3.8	3.8	7.1	6.9		5.3
VAR	.0	.0	.0	.0		.0
CALM	1.5	.0	.8	.8		3.7
TOT OBS	19	23	40	49	131	5.6
TOT PCT	14.5	17.6	30.5	37.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	1.3	.0	1.3	3.4	3.8	.8	.0	.0	.0	.0	7.4	
NE	1.0	.0	1.5	.2	1.0	.0	1.5	.0	.0	.0	2.7	
E	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.8	
S	.8	.0	.0	.0	1.7	.0	3.4	.0	.0	.0	1.1	
SW	.8	.0	.2	.0	5.5	.8	1.1	.0	.0	.0	3.1	
W	.0	.0	2.1	1.7	9.0	1.5	.0	.0	.0	.0	12.2	
NW	.8	.8	.2	3.1	6.7	.8	.0	.0	.0	.0	9.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	2.3	
TOT OBS	6	1	7	11	39	8	8	0	0	0	51	131
TOT PCT	4.6	.8	5.3	8.4	29.8	6.1	6.1	.0	.0	.0	38.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	4.9	5.6	5.6	5.6	5.6	5.6	5.6	5.6
>2000	8.5	10.6	11.3	11.3	11.3	11.3	11.3	11.3
>1000	35.2	39.4	40.8	40.8	40.8	40.8	40.8	40.8
>600	40.1	45.8	49.3	49.3	49.3	49.3	49.3	49.3
>300	40.8	48.6	53.5	54.2	54.2	54.2	54.2	54.2
>150	40.8	49.3	54.2	54.9	54.9	54.9	54.9	54.9
>0	40.8	50.0	55.6	57.7	57.7	57.7	57.7	58.3
TOTAL	58	71	79	82	82	82	82	83

TOTAL NUMBER OF OBS: 142

PCT FREQ NH <5/8: 41.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.5	5.8	11.0	10.3	7.1	7.1	11.0	7.1	33.5	.6	155

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1853-1976

APRIL

AREA 0020 TRISTAN DA CUNHA GROUP
38.2S 10.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.5	.2	.0	.0	.0	.0	.0	.6	.0	.0	1.3	
	NO PCP	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	1.3	
	TOT %	.5	.8	.0	.0	.6	.0	.0	.6	.0	.0	2.6	
2<5	PCP	.5	.2	.6	.0	.0	.0	.5	.8	.0	.0	2.5	
	NO PCP	1.8	.0	.0	.0	.0	.0	.8	.2	.0	.0	2.5	
	TOT %	2.2	.2	.6	.0	.0	.0	1.1	1.0	.0	.0	5.1	
5<10	PCP	.0	.0	.0	.0	.0	.0	1.3	.6	.0	.0	1.9	
	NO PCP	5.9	1.4	.6	.0	.6	1.0	2.7	3.0	.0	.6	13.9	
	TOT %	5.9	1.4	.6	.0	.6	1.0	4.0	3.7	.0	.6	17.8	
10+	PCP	.5	.0	.6	.0	.0	.0	.6	.8	.0	.0	2.5	
	NO PCP	10.8	6.5	1.3	2.5	4.9	8.9	19.3	14.5	.0	2.5	71.3	
	TOT %	11.3	6.5	1.9	2.5	4.9	8.9	19.9	15.3	.0	2.5	73.9	
TOT OBS													157
TOT PCT		20.5	8.9	3.2	2.5	6.2	9.9	25.0	20.5	.0	3.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	1.3	
	22+	.5	.2	.0	.0	.0	.0	.0	.6	.0	.0	1.3	
	TOT %	.5	.8	.0	.0	.6	.0	.0	.6	.0	.0	2.5	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.5	.0	.6	.0	.0	.0	.2	.0	.0	.0	1.3	
	11-21	.0	.0	.0	.0	.0	.5	.2	.0	.0	.0	.6	
	22+	1.8	.2	.0	.0	.0	.6	.6	.0	.0	.0	3.2	
	TOT %	2.2	.2	.6	.0	.0	1.1	1.0	.0	.0	.0	5.1	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	
	4-10	.6	.6	.6	.0	.6	.0	.0	.0	.0	.0	2.5	
	11-21	3.8	.6	.0	.0	.2	2.4	1.3	.0	.0	.0	8.3	
	22+	1.4	.2	.0	.0	.6	.2	1.6	2.4	.0	.0	6.4	
	TOT %	5.9	1.4	.6	.0	.6	1.0	4.0	3.7	.0	.6	17.8	
10+	0-3	.0	.0	.0	.0	.0	.5	.2	.0	2.5	3.2		
	4-10	1.8	2.5	.6	1.3	2.1	1.9	5.4	5.4	.0	.0	21.0	
	11-21	5.4	3.2	.8	.6	1.9	3.0	7.6	8.0	.0	.0	30.6	
	22+	4.1	.8	.5	.6	1.0	4.0	6.4	1.8	.0	.0	19.1	
	TOT %	11.3	6.5	1.9	2.5	4.9	8.9	19.9	15.3	.0	2.5	73.9	
TOT OBS													157
TOT PCT		20.5	8.9	3.2	2.5	6.2	9.9	25.0	20.5	.0	3.2	100.0	

APRIL

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976AREA 0020 TRISTAN DA CUNHA GROUP
38.25 10.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL OBS	NH <5/8 ANY HGT	TOTAL OBS
00003	3.4	.0	3.4	3.4	34.5	3.4	3.4	.0	.0	.0	51.7	48.3	29
06009	11.4	.0	2.3	6.8	20.5	2.3	11.4	.0	.0	.0	54.5	45.5	44
12015	.0	2.3	7.0	7.0	32.6	9.3	2.3	.0	.0	.0	60.5	39.5	43
18021	.0	.0	6.5	16.1	29.0	6.5	3.2	.0	.0	.0	61.3	38.7	31
TOT	6	1	7	12	42	8	8	0	0	0	84	63	147
PCT	4.1	.7	4.8	8.2	28.6	5.4	5.4	.0	.0	.0	57.1	42.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	2.6	2.6	15.8	78.9	38
06009	2.0	.0	4.1	6.1	18.4	69.4	49
12015	.0	.0	2.1	4.3	10.6	83.0	47
18021	.0	.0	.0	5.6	27.8	66.7	36
TOT	1	0	4	8	30	127	170
PCT	.6	.0	2.4	4.7	17.6	74.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.8	7.7	46.2	46.2	26
06009	11.9	14.3	23.8	33.3	42.9	42
12015	.0	9.3	18.6	41.9	39.5	43
18021	.0	6.5	22.6	38.7	38.7	31
TOT	5	13	27	56	59	142
PCT	3.5	9.2	19.0	39.4	41.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.8	.0	.0	1	.8
69/69	.0	.0	.0	.0	.8	.8	3.1	2.3	9	7.0
60/64	.0	.0	.0	.0	1.6	3.9	12.5	14.8	42	32.8
59/59	.0	.0	.0	.0	7.8	6.3	12.5	14.1	52	40.6
50/54	.0	.0	.0	1.6	3.1	3.9	3.9	3.1	20	15.6
49/49	.0	.0	.0	.0	.0	2.3	.0	.8	4	3.1
TOTAL	0	0	0	2	17	23	41	45	128	100.0
PCT	.0	.0	.0	1.6	13.3	18.0	32.0	35.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
69/69	2.0	.0	.0	.0	.0	.0	2.0	3.1	.0	.0
60/64	7.2	1.8	.8	.0	.6	1.8	9.4	10.5	.0	.8
59/59	9.6	1.6	2.1	.0	.0	6.8	11.5	8.2	.0	.8
50/54	.0	1.6	.0	.8	4.5	2.1	5.1	.0	.0	1.6
49/49	.0	.0	.0	.0	1.6	1.0	.6	.0	.0	.0
TOTAL	18.8	5.7	2.9	.8	6.6	11.7	28.5	21.9	.0	3.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	67	66	59	50	48	47	58.9	124
06009	68	67	65	59	52	48	48	59.1	189
12015	73	71	68	61	53	49	48	60.6	241
18021	70	69	66	60	51	48	48	59.8	204
TOT	73	69	67	60	52	48	47	59.7	758

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	15.2	18.2	33.3	33.3	83	33		
06009	.0	.0	7.3	19.5	31.7	41.5	86	41		
12015	.0	2.8	16.7	19.4	36.1	25.0	82	36		
18021	.0	3.2	12.9	19.4	25.8	38.7	83	31		
TOT	0	2	18	27	45	49	83	141		

APRIL

PERIOD: (PRIMARY) 1866-1976
(OVER-ALL) 1855-1976

TABLE 17

AREA 0020 TRISTAN DA CUNHA GROUP
38.25 10.3WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WD FOG
9/10	.0	.0	.0	.0	.6	.0	.0	1	.0	.6
7/8	.0	.0	.0	.0	.6	.0	.6	2	.0	1.3
6	.0	.0	.0	.0	.0	1.3	.0	2	.0	1.3
5	.0	.0	.0	.0	.6	.6	.0	2	.0	1.3
4	.0	.0	.0	.6	2.5	3.2	.0	10	.0	6.3
3	.0	.0	.0	5.1	2.5	.6	.0	13	.0	8.2
2	.0	.0	.0	1.3	5.7	.6	.0	12	.0	7.6
1	.0	.0	2.5	5.7	3.8	.6	.0	20	.6	12.0
0	.0	.6	1.9	7.6	5.7	.0	.6	26	.0	15.8
-1	.0	.6	4.4	5.7	1.9	.6	.0	21	.0	13.3
-2	.0	.6	2.5	4.4	1.9	.6	.0	16	.0	9.5
-3	.0	.0	1.9	2.5	.0	.0	.0	7	.0	4.4
-4	.0	.6	1.9	1.3	.0	.0	.0	6	.0	4.4
-5	.6	2.5	.6	.6	.0	.0	.0	7	.0	4.4
-6	1.3	.0	.6	.6	.0	.0	.0	4	.0	3.2
-7/-8	.0	.6	1.3	.6	.0	.0	.0	4	.0	2.5
-9/-10	.0	.6	1.3	.0	.0	.0	.0	3	.0	1.9
-11/-13	.0	.6	.0	.6	.0	.0	.0	2	.0	1.3
TOTAL	3	11	30	58	41	13	2	158	1	157
PCT	1.9	7.0	19.0	36.7	25.9	8.2	1.3	100.0	.6	99.4

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	2.8	.0	.0	.0	2.8	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	.0	.0	1.4	.0	.0	1.4	.0	1.4	2.8	.0	.0	.0	4.2
5-6	.0	.0	3.5	2.8	.0	.0	6.3	.0	.0	.4	.0	.0	.0	.7
7	.0	.0	1.4	1.4	1.1	.0	3.9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.4	1.1	2.8	5.3	.0	.0	.0	.0	.4	.0	.4
12	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.4	.0	.4
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	7.7	8.1	3.2	2.8	21.8	.0	1.4	4.6	.4	.7	.0	7.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4
1-2	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	1.4	.0	.0	1.4
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	.0	1.1	.0	.0	2.5	.0	1.4	.0	1.4	.0	.0	2.8

PERIOD: (OVER-ALL) 1963-1976

APRIL

AREA 0020 TRISTAN DA CUNHA GROUP
38.25 10.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	1.1	.0	.0	.0	.0		1.1	.0	.4	.0	.0	.0	.0		.4
1-2	.0	1.1	.0	.0	.0	.0		1.1	.0	1.8	.4	.0	.0	.0		2.1
3-4	.0	1.4	2.1	.0	.0	.0		3.5	.0	1.4	2.1	2.8	.0	.0		6.3
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	1.8	1.4	.0	.0		3.2
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	1.4	1.8	.0	.0		3.2
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	3.5	2.1	.0	.0	.0		5.6	.0	3.5	5.6	6.0	.0	.0		15.1

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	1.4	.0	.0	.0	.0		1.4	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	2.5	4.9	.0	.0	.0		7.4	.0	.4	4.6	.0	.0	.0		4.9	
3-4	.0	.0	4.9	1.4	.0	.0		6.3	.0	1.4	.7	2.8	.0	.0		4.9	
5-6	.0	.0	3.9	.0	1.4	.0		5.3	.0	.0	1.8	.0	.0	.0		1.8	
7	.0	.0	.0	2.1	.0	.0		2.1	.0	.0	.0	1.8	.4	.0		2.1	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	3.2	.0	.0		3.2	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	1.1	.0		1.1	.0	.0	.0	.0	.4	.0		.4	
13-16	.0	.0	.0	1.4	.0	.0		1.4	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	3.9	13.7	4.9	2.5	.0		25.0	.0	1.8	7.0	7.7	.7	.0		17.3	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.7	5.5	.0	.0	.0	.0	8.2	
1-2	.0	8.2	13.7	.0	.0	.0	21.9	
3-4	.0	5.5	12.3	8.2	.0	.0	26.0	
5-6	.0	.0	11.0	6.8	1.4	.0	19.2	
7	.0	.0	2.7	6.8	1.4	.0	11.0	
8-9	.0	.0	.0	4.1	.0	.0	4.1	
10-11	.0	.0	.0	1.4	1.4	2.7	5.5	
12	.0	.0	.0	.0	2.7	.0	2.7	
13-16	.0	.0	.0	1.4	.0	.0	1.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.7	19.2	39.7	28.8	6.8	2.7	100.0	73

PERIOD: (OVER-ALL) 1952-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.8	4.8	3.2	4.0	.8	1.6	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
6-7	.0	.0	1.6	8.0	8.0	3.2	3.2	.8	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	23	7
8-9	.0	.8	2.4	8.0	3.2	1.6	3.2	.8	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	26	7
10-11	.0	.0	.0	.8	.0	1.6	.8	.8	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	7	11
12-13	.0	.0	1.6	.0	.0	1.6	1.6	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
>13	.0	.0	.0	.8	.0	.8	.0	.0	1.6	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	5	12
INDET	1.6	2.4	.8	4.0	4.0	.0	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
TOTAL	2	10	14	31	24	12	14	7	8	0	3	0	0	0	0	0	0	0	0	125	7
PCT	1.6	8.0	11.2	24.8	19.2	9.6	11.2	5.6	6.4	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	8.7	6.0	7.3	.0	.0	.0	.0	22.0	.0	.0	4.0	.0	.0	.0	74.0
NE	11.5	9.4	6.3	.0	.0	.0	.0	27.1	1.0	.0	.0	.0	.0	.0	71.9
E	.0	3.0	21.8	.0	.0	.0	.0	24.8	3.0	.0	3.0	.0	.0	.0	69.3
SE	.0	.0	4.3	.0	.0	.0	.0	4.3	.0	.0	4.3	.0	.0	.0	91.3
S	.0	.0	4.3	.0	.0	.0	.0	4.3	5.7	.0	.0	.0	.0	.0	90.0
SW	5.9	4.9	3.9	.0	.0	.0	.0	14.8	2.0	.0	.0	.0	.0	.0	83.3
W	12.5	6.9	2.8	.0	.0	.0	1.2	23.4	7.2	.0	2.5	.0	.0	.0	67.0
NW	16.4	10.5	1.8	.0	.0	.0	.0	28.6	2.3	.0	.9	.0	.0	.0	68.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	9.0	6.1	5.1	.0	.0	.0	.3	20.6	3.2	.0	1.6	.0	.0	.0	74.6
TOT OBS:	311														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	9.6	2.7	8.2	.0	.0	.0	.0	20.5	4.1	.0	1.4	.0	.0	.0	74.0
06009	8.8	10.8	2.9	.0	.0	.0	.0	22.5	1.0	.0	1.0	.0	.0	.0	75.5
12015	9.5	2.7	4.1	.0	.0	.0	.0	18.2	6.8	.0	1.4	.0	.0	.0	75.7
18021	8.2	4.1	7.2	.0	.0	.0	1.0	20.6	3.1	.0	2.1	.0	.0	.0	74.2
TOT PCT TOT OBS:	9.0 346	5.5	5.5	.0	.0	.0	.3	20.2	3.5	.0	1.4	.0	.0	.0	74.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.2	2.9	3.7	6.5	1.4	*		14.8	21.2		14.2	19.6	11.8	13.0	16.3	6.3	16.5	14.5
NE	.3	2.4	4.8	3.4	.7	*		11.6	18.4		11.9	13.0	11.7	10.9	12.4	18.8	10.9	10.5
E	.5	1.4	1.8	1.3	.3	.0		5.3	16.3		7.7	2.2	5.1	4.0	4.6	.0	6.2	4.6
SE	.2	1.1	.9	1.0	1.1	.2		4.4	22.8		4.6	13.0	2.4	6.9	4.9	.0	3.2	4.0
S	.1	1.2	2.6	1.8	.6	.1		6.3	19.2		6.3	4.3	5.1	7.7	6.7	25.0	6.3	5.2
SW	.5	3.1	5.3	3.6	1.8	.2		14.4	19.5		12.0	19.6	17.0	13.9	13.8	6.3	15.0	14.2
W	.3	3.9	7.0	6.4	2.5	.7		20.7	21.5		20.8	13.0	21.5	19.3	22.1	31.3	18.8	21.3
NW	.3	4.0	7.4	6.7	2.0	.4		20.7	20.6		18.3	15.2	22.4	21.5	19.3	12.5	22.1	23.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0		4.2	.0	2.9	.7	.0	.0	1.1	2.5
TOT OBS	47	240	400	368	125	19	1199		19.9		189	23	209	137	289	8	182	162
TOT PCT	3.9	20.0	33.4	30.7	10.4	1.6		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.2	3.7	5.1	4.4	.4			14.8	21.2	14.7	13.1	16.1	15.6
NE	1.4	2.9	5.2	1.9	.2			11.6	18.4	12.0	11.4	12.5	10.7
E	1.2	1.4	2.0	.5	.2			5.3	16.3	7.1	4.7	4.5	5.5
SE	.5	1.4	.7	1.1	.6			4.4	22.8	5.5	4.2	4.8	3.6
S	.4	2.4	2.3	1.1	.1			6.3	19.2	6.1	6.1	7.2	5.8
SW	1.5	4.5	4.8	2.9	.7			14.4	19.5	12.9	15.8	13.6	14.6
W	2.0	5.5	7.3	4.5	1.5			20.7	21.5	19.9	20.7	22.3	20.0
NW	1.5	6.5	6.9	4.9	.9			20.7	20.6	17.9	22.0	19.1	22.6
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	1.8							1.8	.0	3.8	2.0	.0	1.7
TOT OBS	136	340	413	256	54	1199		19.9		212	346	297	344
TOT PCT	11.3	28.4	34.4	21.4	4.5			100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48-MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00603	3.8	3.3	23.1	34.9	24.5	9.9	.5	18.1	100.0	212
06609	2.0	1.7	19.9	32.7	31.2	11.5	.9	20.0	100.0	346
12615	.0	1.7	17.5	34.0	34.0	9.1	3.7	21.2	100.0	297
18621	1.7	2.3	20.3	32.6	31.1	10.8	1.2	19.8	100.0	344
TOT	21	26	240	400	368	125	19	19.9		1199
PCT	1.8	2.2	20.0	33.4	30.7	10.4	1.6		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.8	1.5	2.1	6.9		5.5
NE	1.1	2.4	2.9	2.5		5.4
E	1.1	3.2	2.7	6.6		5.9
SE	.0	1.1	1.5	.0		5.5
S	.3	1.0	2.4	.0		5.1
SW	5.1	2.5	4.1	3.7		4.4
W	3.7	3.8	6.3	7.4		5.5
NW	3.4	1.3	3.8	4.4		5.3
VAR	.0	.0	.0	.0		.0
CALM	5.6	1.1	.6	1.1		2.5
TOT OBS	41	32	47	58	178	5.1
TOT PCT	23.0	18.0	26.4	32.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.0	.0	.6	2.0	4.1	.8	.0	.0	.0	.6	5.3	
NE	.0	.0	.3	.8	3.7	.6	.1	.0	.0	.0	3.5	
E	.4	.0	1.4	2.1	2.7	.0	1.5	.0	.0	.0	5.5	
SE	.1	.0	.0	.0	.0	1.3	.1	.0	.0	.0	1.1	
S	.0	.0	.0	1.1	.0	.4	.4	.0	.0	.0	1.7	
SW	.0	.0	.6	1.1	3.1	.6	.6	.0	.0	.0	9.4	
W	.0	.0	1.7	3.7	3.2	.8	1.1	.0	1.0	.0	9.7	
NW	.6	.0	.0	1.0	2.4	2.2	.0	.0	.1	.0	6.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	6.7	
TOT OBS	2	0	8	21	35	13	8	0	2	1	88	178
TOT PCT	1.1	.0	4.5	11.8	19.7	7.3	4.5	.0	1.1	.6	49.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>3000	1.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
>2500	5.1	6.6	6.6	6.6	6.6	6.6	6.6	6.6
>2000	9.6	13.2	14.2	14.2	14.2	14.2	14.2	14.2
>1000	26.9	31.0	33.0	33.5	33.5	33.5	33.5	33.5
>800	34.0	40.6	45.2	45.7	45.7	45.7	45.7	45.7
>300	34.5	44.2	50.3	50.8	50.8	50.8	50.8	50.8
>150	34.5	44.2	50.3	50.8	50.8	50.8	50.8	50.8
>0	34.5	44.7	50.8	51.3	51.3	51.8	51.8	52.3
TOTAL	68	88	100	101	101	102	102	103

TOTAL NUMBER OF OBS: 197

PCT FREQ NH <5/8: 47.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	9.2	11.2	13.1	7.8	8.7	12.6	8.3	22.8	.0	206

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.3	
	NO PCP	.0	.0	.2	.1	.0	.0	.0	.3	.0	.0	.6	
	TOT %	.2	.0	.2	.1	.0	.0	.0	.4	.0	.0	1.0	
1/2<1	PCP	.2	.2	.0	.0	.0	.0	.6	1.3	.0	.0	2.3	
	NO PCP	.3	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.0	
	TOT %	.5	.2	.0	.0	.0	.0	1.3	1.3	.0	.0	3.2	
1<2	PCP	.5	.0	.0	.0	.0	.0	.2	.2	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.3	.3	.0	.0	.6	
	TOT %	.5	.0	.0	.0	.0	.0	.6	.6	.0	.0	1.6	
2<5	PCP	.6	.5	1.2	.0	.0	.0	.7	.6	.0	.0	3.5	
	NO PCP	1.1	.1	.2	.0	.0	.0	.3	.2	.0	.0	1.9	
	TOT %	1.7	.6	1.5	.0	.0	.0	1.0	.7	.0	.0	5.3	
5<10	PCP	.3	1.3	.0	.1	.2	1.5	3.5	2.7	.0	.0	9.7	
	NO PCP	1.9	.6	.0	.6	1.1	5.3	7.7	6.0	.0	.0	23.5	
	TOT %	2.3	2.1	.0	.7	1.4	6.8	11.2	8.8	.0	.0	33.2	
10+	PCP	.6	.2	.8	.0	.0	1.0	.9	.2	.0	.0	3.5	
	NO PCP	6.0	4.8	5.6	1.0	4.3	8.6	10.9	5.8	.0	4.8	51.9	
	TOT %	6.6	4.9	6.5	1.0	4.3	9.6	11.8	6.0	.0	4.8	55.4	
TOT OBS													310
TOT PCT		11.8	7.7	8.1	1.9	5.6	16.4	25.9	17.7	.0	4.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.2	.0	.0	.0	.0	.0	.0	.4	.0	.0	.6	
	TOT %	.2	.0	.2	.1	.0	.0	.0	.4	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	11-21	.3	.0	.0	.0	.0	.0	1.3	.3	.0	.0	1.9	
	22+	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	TOT %	.5	.2	.0	.0	.0	.0	1.3	1.3	.0	.0	3.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.3	
	11-21	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	22+	.2	.0	.0	.0	.0	.0	.3	.5	.0	.0	1.0	
	TOT %	.5	.0	.0	.0	.0	.0	.6	.6	.0	.0	1.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.3	.3	.0	.0	.0	.4	.2	.0	.0	1.3	
	11-21	1.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	1.6	
	22+	.5	.1	.9	.0	.0	.0	.6	.5	.0	.0	2.6	
	TOT %	1.7	.6	1.5	.0	.0	.0	1.0	.7	.0	.0	5.3	
5<10	0-3	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.6	
	4-10	.3	.6	.0	.0	.0	2.3	2.6	1.3	.0	.0	7.1	
	11-21	1.5	1.0	.0	.0	.2	2.3	4.4	4.3	.0	.0	13.5	
	22+	.5	.5	.0	.7	1.2	1.9	3.9	3.2	.0	.0	11.9	
	TOT %	2.3	2.1	.0	.7	1.4	6.8	11.2	8.8	.0	.0	33.2	
10+	0-3	.3	.0	.3	.0	.0	.3	.0	.0	.0	4.8	5.8	
	4-10	3.4	3.1	1.2	.5	1.5	3.3	2.3	2.6	.0	.0	17.7	
	11-21	.9	1.8	3.7	.2	1.1	3.8	6.4	2.2	.0	.0	20.0	
	22+	2.0	.1	1.2	.4	1.7	2.2	3.1	1.2	.0	.0	11.9	
	TOT %	6.6	4.9	6.5	1.0	4.3	9.6	11.8	6.0	.0	4.8	55.5	
TOT OBS													310
TOT PCT		11.8	7.7	8.1	1.9	5.6	16.4	25.9	17.7	.0	4.8	100.0	

MAY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	3.9	19.6	7.8	13.7	5.9	2.0	2.0	.0	54.9	45.1	51
06009	3.8	.0	.0	7.5	17.0	1.9	1.9	.0	1.9	.0	34.0	66.0	53
12015	2.0	.0	6.0	12.0	26.0	6.0	2.0	.0	.0	2.0	56.0	44.0	50
18021	.0	.0	10.6	8.5	25.5	8.5	6.4	2.1	.0	.0	61.7	38.3	47
TOT	3	0	10	24	38	15	8	2	2	1	103	98	201
PCT	1.5	.0	5.0	11.9	18.9	7.5	4.0	1.0	1.0	.5	51.2	48.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
(GMT)							
00003	1.4	1.4	2.7	5.5	32.9	56.2	73
06009	1.0	3.9	1.0	2.9	34.3	56.9	102
12015	1.4	2.7	1.4	6.8	28.8	58.9	73
18021	.0	4.1	1.0	6.2	39.2	49.5	97
TOT	3	11	5	18	118	190	345
PCT	.9	3.2	1.4	5.2	34.2	55.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HR	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
(GMT)						
00003	.0	3.9	27.5	27.5	45.1	51
06009	4.1	4.1	14.3	22.4	63.3	49
12015	2.0	8.0	24.0	34.0	42.0	50
18021	.0	10.6	21.3	40.4	38.3	47
TOT	3	13	43	61	93	197
PCT	1.5	6.6	21.8	31.0	47.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	1.2	.4	2.7	.8	13	5.1
60/64	.0	.0	.0	.0	3.9	5.8	15.2	10.1	89	34.6
55/59	.0	.0	.0	2.3	5.4	7.0	8.2	15.2	98	38.1
50/54	.0	.0	.0	.0	1.2	7.4	6.2	3.9	48	18.7
45/49	.0	.0	.0	.0	.0	.4	1.6	1.2	8	3.1
40/44	.0	.0	.0	.0	.0	.0	.4	.0	1	.4
TOTAL	0	0	0	6	29	54	88	80	257	100.0
PCT	.0	.0	.0	2.3	11.3	21.0	34.2	31.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.0	.2	1.3	.0	.0	.9	1.1	.6	.0	.0
6.7	4.2	4.5	.9	.6	5.0	7.5	3.8	.0	1.6
3.4	3.2	2.6	1.0	1.0	6.1	9.7	7.6	.0	3.5
2.1	.4	.0	.0	1.2	4.7	6.1	3.4	.0	.8
.0	.0	.0	.0	.0	.6	2.5	.0	.0	.0
.0	.0	.0	.0	.0	.0	.4	.0	.0	.0
13.2	8.1	8.4	1.8	2.7	17.2	27.3	15.4	.0	5.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
(GMT)									
00003	67	66	65	59	50	47	45	58.2	212
06009	68	67	64	59	51	49	45	58.3	344
12015	72	68	66	60	51	46	45	59.2	294
18021	75	68	65	59	50	45	44	58.8	337
TOT	75	67	65	59	51	47	44	58.7	1187

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
(GMT)								
00003	.0	1.5	8.8	23.5	27.9	38.2	84	68
06009	.0	1.3	6.5	23.4	29.9	39.0	84	77
12015	.0	1.6	25.4	12.7	36.5	23.8	81	63
18021	.0	5.1	8.9	20.3	32.9	32.9	83	79
TOT	0	7	34	58	91	97	83	287

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1856-1976

MAY

AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	65 68	TCT	W FOG	NO FOG
7/8	.0	.0	.0	.0	.4	.0	.4	2	.0	.8
6	.0	.0	.0	.0	.4	.4	1.6	6	.0	2.4
5	.0	.0	.0	.4	.4	1.6	.8	8	.0	3.1
4	.0	.0	.0	.0	1.6	4.3	1.6	19	.0	7.5
3	.0	.0	.0	.0	.8	4.3	.8	15	.0	5.9
2	.0	.0	.0	.8	3.5	3.1	.4	20	.0	7.5
1	.0	.0	.0	.8	5.1	5.9	.8	32	.4	12.2
0	.0	.0	.4	4.7	6.3	3.9	.4	40	.4	15.3
-1	.0	.0	.4	.8	8.6	1.6	.0	29	.4	11.0
-2	.0	.4	.4	.4	3.5	.4	.4	14	.0	5.5
-3	.0	.0	1.6	2.0	3.9	.0	.0	19	.0	7.5
-4	.0	.0	2.0	2.0	2.0	.0	.0	15	.0	5.9
-5	.0	.8	1.2	2.7	.8	.4	.0	15	.0	5.9
-6	.0	.4	.8	.8	.0	.4	.0	6	.0	2.4
-7/-8	.4	2.4	1.6	.4	.4	.0	.0	13	.0	5.1
-9/-10	.0	.0	.4	.0	.0	.0	.0	1	.0	.4
-11/-13	.0	.0	.0	.4	.0	.0	.0	1	.0	.4
TOTAL	1	10	22	40	97	67	18	255	3	252
PCT	.4	3.9	8.6	15.7	38.0	26.3	7.1	100.0	1.2	98.8

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.8	.0	.0	.0	.0	.8	.0	.8	.0	.0	.0	.0	.8
1-2	.8	.8	2.9	.0	.0	.0	4.5	.0	3.3	.2	.0	.0	.0	3.5
3-4	.0	2.3	.8	1.7	.0	.0	4.8	.0	1.0	1.9	.0	.0	.0	2.9
5-6	.0	.8	1.7	.8	1.4	.0	4.8	.0	.0	1.9	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	4.8	5.4	2.5	1.4	.0	14.9	.0	5.2	3.9	.4	.0	.0	9.5

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.8	2.5	.0	.0	.0	3.1	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.4	.0	.0	.4
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	1.7	2.3	.0	.0	3.9	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.8	.0	.0	.8	.0	.0	.0	.8	.0	.0	.8
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.4	7.0	5.4	.0	.0	13.8	.0	.2	.0	1.2	.0	.0	1.4

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.8	.8	1.0	.0	.0	.0	2.7
1-2	.0	.8	.6	.0	.0	.0	1.4	.0	2.5	1.0	.0	.0	.0	3.5
3-4	.0	.0	.0	1.2	.0	.0	1.2	.0	.8	1.9	1.7	.0	.0	4.3
5-6	.0	.0	.0	1.7	.0	.0	1.7	.0	.8	1.9	.0	1.7	.0	4.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.2	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.6	3.5	.0	.0	5.0	.8	5.0	5.8	1.9	1.7	.0	15.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.6	.0	.0	.0	.6	.0	2.5	.0	.0	.0	.0	2.5	
1-2	.0	2.1	3.3	.0	.0	.0	5.4	.0	1.2	.2	.0	.0	.0	1.4	
3-4	.0	.0	6.2	1.7	.0	.0	7.9	.0	.8	1.0	.0	.0	.0	1.8	
5-6	.0	.0	2.3	1.7	.0	.0	3.9	.0	.8	2.5	.8	1.0	.0	5.2	
7	.0	.0	1.7	.0	.0	.0	1.7	.0	.0	1.7	.0	.0	.0	1.7	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	2.1	14.0	3.3	.0	.0	19.4	.0	5.4	5.4	.8	1.0	.0	12.6	91.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	10.6	5.7	1.6	.0	.0	.0	17.9	
1-2	.8	11.4	10.6	.0	.0	.0	22.8	
3-4	.0	4.9	13.0	6.5	.0	.0	24.4	
5-6	.0	2.4	10.6	4.9	4.1	.0	22.0	
7	.0	.0	3.3	.8	.0	.0	4.1	
8-9	.0	.0	1.6	3.3	.0	.0	4.9	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	1.6	.0	.0	1.6	
13-16	.0	.0	.0	1.6	.0	.0	1.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	11.4	24.4	41.5	18.7	4.1	.0	100.0	123

PERIOD: (OVER-ALL) 1960-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-80	87+	TOTAL	MEAN HGT
<6	1.3	3.2	4.5	12.3	10.4	5.2	.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	6
6-7	.0	.0	3.2	4.5	8.4	6.5	4.5	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	7
8-9	.0	.6	1.9	.6	.0	.0	1.9	.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
10-11	.0	1.3	.6	.6	.0	.6	1.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
12-13	.0	.0	.0	.0	.0	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	9
>13	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	.0	2.6	5.8	3.9	1.3	.0	.0	.0	.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	5
TOTAL	2	12	25	37	32	20	13	7	4	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	154	6
PCT	1.3	7.8	16.2	24.0	20.8	13.0	8.4	4.5	2.6	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA		
N	19.8	7.2	7.2	.0	.0	.0	3.6	37.8	.0	.0	10.8	.0	7.2	.0	44.1		
NE	7.1	.0	14.3	.0	.0	.0	28.6	50.0	.0	.0	14.3	.0	.0	.0	35.7		
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
S	.0	.0	12.5	.0	.0	.0	12.5	25.0	12.5	.0	.0	.0	.0	.0	62.5		
SW	.0	5.8	.0	.0	.0	.0	.0	5.8	1.4	.0	.0	.0	5.8	.0	87.0		
W	.0	3.2	3.5	.0	.0	.0	3.5	12.2	4.3	.0	.0	.0	.0	.0	83.5		
NW	13.8	4.9	1.6	.0	.0	.0	.0	20.3	1.6	.0	1.6	.0	.0	.0	76.4		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0		
TOT PCT	8.3	5.0	4.1	.0	.0	.0	3.3	20.7	2.5	.0	3.3	.0	2.5	.0	71.1		
TOT OBS:	121																

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA									
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA		
00003	12.9	3.2	12.9	.0	.0	.0	3.2	32.3	3.2	.0	3.2	.0	.0	.0	61.3		
06009	9.8	9.8	2.4	.0	.0	.0	7.3	29.3	.0	.0	2.4	.0	.0	.0	68.3		
12015	7.1	3.6	.0	.0	.0	.0	3.6	14.3	3.6	.0	.0	.0	7.1	.0	75.0		
18021	6.1	3.0	3.0	.0	.0	.0	3.0	15.2	3.0	.0	6.1	.0	3.0	.0	72.7		
TOT PCT	9.0	5.3	4.5	.0	.0	.0	4.5	23.3	2.3	.0	3.0	.0	2.3	.0	69.2		
TOT OBS:	133																

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.4	1.7	5.6	5.3	2.7	.4		16.2	22.9		18.9	10.7	13.9	15.0	17.0	29.4	15.5	15.5
NE	.1	1.4	5.0	2.3	.5	*		9.4	18.3		7.6	3.6	8.6	10.2	9.1	14.7	10.0	11.6
E	.4	.5	1.3	1.3	.1	.0		3.6	17.6		5.5	.0	4.0	2.9	3.2	.0	4.1	2.7
SE	.1	.4	.8	.7	.3	.2		2.5	22.2		1.7	.0	2.3	2.2	4.1	5.9	1.7	1.5
S	.1	1.9	2.9	2.4	1.0	.3		8.7	20.4		7.0	7.1	7.1	8.3	10.4	5.9	9.3	9.5
SW	.0	2.1	4.2	3.4	2.0	.5		14.2	23.1		11.6	14.3	14.1	15.0	15.4	14.7	13.3	14.6
W	.1	2.5	7.2	7.4	3.5	.6		21.3	23.3		25.3	42.9	24.4	20.4	18.1	11.8	20.9	19.5
NW	.3	2.2	8.4	7.6	4.1	.5		23.2	23.7		20.6	21.4	24.4	25.5	21.6	17.6	24.5	24.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0		1.7	.0	1.1	.6	1.1	.0	.7	.6
TOT OBS	28	142	399	364	161	30	1124		22.1		172	14	175	157	280	17	145	164
TOT PCT	2.5	12.6	35.5	32.4	14.3	2.7		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+						00	03	06	09	12	15	18	21
N	1.1	3.2	7.0	3.9	1.1			16.2	22.9		18.3	14.4	17.7	15.5				
NE	.7	2.7	4.8	1.0	.2			9.4	18.3		7.3	9.3	9.4	10.8				
E	.4	1.1	1.6	.4	.1			3.6	17.6		5.1	3.5	3.0	3.4				
SE	.2	.8	1.0	.3	.3			2.5	22.2		1.6	2.3	4.2	1.6				
S	1.1	2.3	3.1	1.8	.5			8.7	20.4		7.0	7.7	10.1	9.4				
SW	.8	3.3	5.4	3.9	.8			14.2	23.1		11.8	14.5	15.4	14.0				
W	1.1	5.3	7.3	6.0	1.6			21.3	23.3		26.6	22.5	17.8	20.1				
NW	1.4	4.4	8.9	6.3	2.1			23.2	23.7		20.7	24.9	21.4	24.4				
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0				
CALM	1.0							1.0	.0		1.6	.9	1.0	.6				
TOT OBS	88	259	438	263	76	1124			22.1		186	332	297	309				
TOT PCT	7.8	23.0	39.0	23.4	6.8			100.0			100.0	100.0	100.0	100.0				

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1859-1975

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AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000	1.6	2.7	10.2	33.3	31.7	17.2	3.2	22.9	100.0	186
0600	.9	1.8	11.4	34.3	34.0	14.5	3.0	22.3	100.0	332
1200	1.0	1.0	13.5	38.4	31.0	10.4	2.7	21.0	100.0	297
1800	.6	1.0	12.6	35.3	32.4	16.2	1.9	22.6	100.0	309
TOT	11	17	142	399	364	161	30	22.1		1124
PCT	1.0	1.5	12.6	35.5	32.4	14.3	2.7	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.9	.0	2.9	10.8		6.5
NE	.0	.0	.4	2.1		7.8
E	1.7	.0	.0	.0		.0
SE	.0	.0	.0	.0		.0
S	.0	5.0	3.3	1.7		5.3
SW	6.7	1.7	9.2	2.1		4.6
W	8.3	3.3	10.8	7.9		5.1
NW	2.1	1.7	5.0	3.8		5.6
VAR	.0	.0	.0	.0		.0
CALM	1.7	.0	3.3	1.7		5.2
TOT OBS	14	7	21	18	60	5.3
TOT PCT	23.3	11.7	35.0	30.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	1.7	.0	5.0	2.9	4.2	.0	.0	.0	.0	.0	2.9	
NE	.0	.0	.0	2.1	.4	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	
SW	.0	.0	.0	2.1	2.1	.0	.4	.0	.0	.0	.0	
W	.0	.0	.0	6.3	7.9	.0	1.3	.0	.0	.0	.0	
NW	.0	.0	.0	1.7	2.1	1.7	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	3	10	11	2	2	0	0	0	31	60
TOT PCT	1.7	.0	5.0	16.7	18.3	3.3	3.3	.0	.0	.0	51.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>6000	.0	.0	.0	.0	.0	.0	.0	.0
>5500	.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>5000	3.3	6.6	6.6	6.6	6.6	6.6	6.6	6.6
>4500	18.0	24.6	24.6	24.6	24.6	24.6	24.6	24.6
>4000	29.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
>3500	29.5	45.9	47.5	47.5	47.5	47.5	47.5	47.5
>3000	29.5	45.9	47.5	47.5	47.5	47.5	47.5	47.5
>2500	29.5	45.9	47.5	47.5	47.5	47.5	47.5	47.5
>2000	29.5	47.5	49.2	49.2	49.2	49.2	49.2	49.2
TOTAL	18	29	30	30	30	30	30	30

TOTAL NUMBER OF OBS: 61

PCT FREQ NH <5/8: 50.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.9	11.8	8.8	1.5	17.6	1.5	13.2	14.7	23.5	1.5	68

PERIOD: (PRIMARY) 1864-1975
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	NO PCP	.8	.4	.0	.0	.0	.0	.0	.4	.0	.0	1.7	1.7
	TOT %	1.7	.4	.0	.0	.0	.0	.0	.4	.0	.0	2.5	2.5
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.7	1.7
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.7	1.7
5<10	PCP	6.1	1.1	.0	.0	.8	.0	2.1	3.4	.0	.0	13.4	13.4
	NO PCP	11.8	.8	.0	.0	1.7	4.0	7.8	14.3	.0	.0	40.3	40.3
	TOT %	17.9	1.9	.0	.0	2.5	4.0	9.9	17.6	.0	.0	53.7	53.7
10+	PCP	.6	.0	.0	.0	.0	.8	.8	1.1	.0	.0	3.4	3.4
	NO PCP	1.9	.2	.8	.0	3.4	9.7	13.4	5.9	.0	3.4	38.7	38.7
	TOT %	2.5	.2	.8	.0	3.4	10.5	14.3	6.9	.0	3.4	42.0	42.0
TOT OBS													
TOT PCT		22.9	2.5	.8	.0	6.7	14.5	24.2	25.0	.0	3.4	100.0	119

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	1.6	.4	.0	.0	.0	.0	.0	.4	.0	.0	2.4	2.4
	TOT %	1.6	.4	.0	.0	.0	.0	.0	.4	.0	.0	2.4	2.4
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.8	.8
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.8
	TOT %	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.6	1.6
5<10	0-3	.4	.0	.0	.0	.0	.8	1.2	.0	.0	.0	2.4	2.4
	4-10	2.4	.8	.0	.0	.8	2.2	2.4	.0	.0	.0	8.9	8.9
	11-21	7.1	.2	.0	.0	1.6	.8	2.4	8.9	.0	.0	21.1	21.1
	22+	7.3	.8	.0	.0	.0	2.8	4.3	5.7	.0	.0	21.1	21.1
	TOT %	17.3	1.8	.0	.0	2.4	3.9	10.0	18.3	.0	.0	53.7	53.7
10+	0-3	.4	.4	.0	.0	.0	.0	.0	.0	.0	3.3	4.1	4.1
	4-10	1.2	.2	.8	.0	.8	2.8	5.3	3.5	.0	.0	14.6	14.6
	11-21	1.2	.0	.0	.0	1.6	4.9	6.5	2.0	.0	.0	16.3	16.3
	22+	.0	.0	.0	.0	1.6	2.4	2.0	1.2	.0	.0	7.3	7.3
	TOT %	2.8	.6	.8	.0	4.1	10.2	13.8	6.7	.0	3.3	42.3	42.3
TOT OBS													
TOT PCT		22.6	2.8	.8	.0	7.3	14.0	23.8	25.4	.0	3.3	100.0	123

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	6.3	.0	6.3	18.8	25.0	6.3	.0	.0	.0	.0	62.5	37.5	16
06009	.0	.0	.0	31.3	6.3	.0	6.3	.0	.0	.0	43.8	56.3	16
12015	.0	.0	5.9	11.8	23.5	5.9	5.9	.0	.0	.0	52.9	47.1	17
18021	.0	.0	8.3	8.3	16.7	.0	.0	.0	.0	.0	33.3	66.7	12
TOT	1	0	3	11	11	2	2	0	0	0	30	31	61
PCT	1.6	.0	4.9	18.0	18.0	3.3	3.3	.0	.0	.0	49.2	50.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	6.7	50.0	43.3	30
06009	.0	2.4	.0	.0	56.1	41.5	41
12015	.0	.0	.0	.0	53.6	46.4	28
18021	.0	5.9	.0	.0	64.7	29.4	34
TOT	0	3	0	2	75	53	133
PCT	.0	2.3	.0	1.5	56.4	39.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	6.3	12.5	31.3	31.3	37.5	16
06009	.0	.0	31.3	12.5	56.3	16
12015	.0	5.9	17.6	35.3	47.1	17
18021	.0	8.3	16.7	16.7	66.7	12
TOT	1	4	15	15	31	61
PCT	1.6	6.6	24.6	24.6	50.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.9	1.8	2.7	.9	7	6.4
60/64	.0	.0	.0	.0	2.7	4.5	5.5	10.0	25	22.7
55/59	.0	.0	.0	.0	.9	3.6	8.2	14.5	30	27.3
50/54	.0	.0	.0	.0	.9	5.5	15.5	6.4	31	28.2
45/49	.0	.0	.0	.0	.9	2.7	3.6	2.7	11	10.0
40/44	.0	.0	.0	.0	.0	3.6	.9	.9	6	5.5
TOTAL	0	0	0	0	7	24	40	39	110	100.0
PCT	.0	.0	.0	.0	6.4	21.8	36.4	35.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
65/69	2.5	.2	.0	.0	.0	1.1	1.6	.0	.0	.9
60/64	7.5	.5	.0	.0	1.8	.9	4.5	6.6	.0	.9
55/59	6.8	.0	.0	.0	.9	4.8	7.5	6.4	.0	.9
50/54	5.0	1.1	.0	.0	.9	3.9	8.0	9.3	.0	.0
45/49	2.0	.0	.0	.0	1.8	2.7	.9	2.5	.0	.0
40/44	.9	.9	.0	.0	.9	.9	1.8	.0	.0	.0
TOTAL	24.8	2.7	.0	.0	6.4	14.3	24.3	24.8	.0	2.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	71	67	64	56	48	43	43	56.0	174
06009	68	66	62	56	48	42	40	55.6	327
12015	69	68	64	56	49	43	41	56.3	300
18021	68	67	63	56	48	42	39	56.2	305
TOT	71	67	64	56	48	43	39	56.0	1106

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	11.5	15.4	34.6	38.5	85	26		
06009	.0	.0	2.7	24.3	32.4	40.5	87	37		
12015	.0	.0	11.5	15.4	50.0	23.1	83	26		
18021	.0	.0	.0	29.0	32.3	38.7	85	31		
TOT	0	0	7	26	44	43	85	120		

JUNE

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975AREA 0020 TRISTAN DA CUNHA GROUP
37.8S 10.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	63 68	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.0	.0	.0	1.1	1	.0	1.1
5	.0	.0	.0	.0	.0	1.1	1.1	2	.0	2.2
4	.0	.0	.0	.0	4.4	1.1	.0	5	.0	5.5
3	.0	.0	.0	.0	3.3	2.2	1.1	6	.0	6.6
2	.0	.0	.0	.0	3.3	3.3	.0	6	.0	6.6
1	.0	.0	.0	4.4	3.3	4.4	.0	11	.0	12.1
0	.0	.0	4.4	6.6	5.5	1.1	1.1	17	1.1	17.6
-1	.0	.0	4.4	1.1	5.5	.0	1.1	11	1.1	11.0
-2	.0	.0	5.5	.0	.0	.0	.0	5	.0	5.5
-3	.0	1.1	4.4	1.1	2.2	.0	.0	8	.0	8.8
-4	.0	1.1	5.5	1.1	.0	.0	.0	7	.0	7.7
-5	.0	1.1	2.2	.0	.0	.0	.0	3	.0	3.3
-6	.0	.0	1.1	.0	.0	.0	.0	1	.0	1.1
-7/-8	.0	1.1	.0	.0	.0	.0	.0	1	.0	1.1
-9/-10	4.4	1.1	.0	.0	.0	.0	.0	5	.0	5.5
-11/-13	.0	2.2	.0	.0	.0	.0	.0	2	.0	2.2
TOTAL	4	7	25	13	25	12	5	91	2	89
PCT	4.4	7.7	27.5	14.3	27.5	13.2	5.5	100.0	2.2	97.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	7.0	1.5	.0	.0	.0	8.5	.0	.5	.0	.0	.0	.0	.5
3-4	.0	2.0	5.5	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.5	.0	.0	.0	1.5	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	2.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	2.0
13-16	.0	.0	.0	2.0	2.0	.0	4.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.0	8.5	4.0	2.0	.0	23.5	.0	.5	.5	2.0	.0	.0	3.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

JUNE

AREA 0020 TRISTAN DA CUNHA GROUP
37.85 10.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.0	.0	.0	.0	.0	2.0	.0	3.5	.0	.0	.0	.0	3.5
1-2	.0	2.0	.0	.0	.0	.0	6.0	.0	2.0	12.0	.0	.0	.0	14.0
3-4	.0	.0	2.0	.0	.0	.0	2.0	.0	2.0	.0	.0	.0	.0	2.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	2.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.0	6.0	2.0	.0	.0	12.0	.0	7.5	12.0	.0	.0	.0	19.5

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	10.5	2.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	10.0	.0	.0	.0	12.0	.0	.5	2.5	.0	.0	.0	3.0	.0
3-4	.0	.0	4.0	2.0	.0	.0	6.0	.0	.0	.5	.0	.0	.0	.5	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	16.0	2.0	.0	.0	30.5	.0	.5	3.0	.0	.0	.0	3.5	92.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	8.0	16.0	2.0	.0	.0	.0	26.0	
1-2	.0	14.0	30.0	.0	.0	.0	44.0	
3-4	.0	4.0	12.0	2.0	.0	.0	18.0	
5-6	.0	.0	2.0	.0	.0	.0	2.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	2.0	.0	.0	2.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	2.0	.0	.0	2.0	
13-16	.0	.0	.0	4.0	2.0	.0	6.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	8.0	34.0	46.0	10.0	2.0	.0	100.0	50

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	8.1	6.5	4.8	3.2	1.6	.0	1.6	3.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
6-7	.0	.0	4.8	1.6	3.2	1.6	1.6	6.5	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	8
8-9	.0	.0	.0	1.6	3.2	3.2	.0	1.6	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	7	10
10-11	.0	4.8	.0	.0	1.6	1.6	4.8	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
12-13	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	12
>13	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	16
INDET	4.8	1.6	3.2	.0	.0	.0	1.6	.0	.0	.0	.0	3.2	1.6	.0	.0	.0	.0	.0	.0	10	9
TOTAL	3	9	9	5	7	5	5	7	6	2	1	2	1	0	0	0	0	0	0	62	8
PCT	4.8	14.5	14.5	8.1	11.3	8.1	8.1	11.3	9.7	3.2	1.6	3.2	1.6	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1860-1975
(OVER-ALL) 1854-1975

JULY

AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNO DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	10.5	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	12.9	.0	.0	.0	9.7	.0	77.4
SW	20.5	.0	25.6	.0	.0	.0	.0	46.2	.0	.0	.0	.0	2.6	.0	51.3
W	.0	.0	10.5	.0	.0	.0	.0	10.5	.0	.0	.0	.0	.0	.0	89.5
NW	11.6	5.8	17.4	.0	.0	.0	.0	34.8	5.8	.0	5.8	.0	.0	.0	53.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	6.3	1.6	12.7	.0	.0	.0	.0	20.6	3.2	.0	1.6	.0	1.6	.0	73.0
TOT OBS:	63														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	7.1	.0	28.6	.0	.0	.0	.0	35.7	7.1	.0	.0	.0	.0	.0	57.1
0600Z	12.5	6.3	.0	.0	.0	.0	.0	18.8	6.3	.0	.0	.0	.0	.0	75.0
1201Z	5.9	.0	17.6	.0	.0	.0	.0	23.5	.0	.0	.0	.0	.0	.0	76.5
1802Z	.0	.0	6.3	.0	.0	.0	.0	6.3	.0	.0	6.3	.0	6.3	.0	81.3
TOT PCT	6.3	1.6	12.7	.0	.0	.0	.0	20.6	3.2	.0	1.6	.0	1.6	.0	73.0
TOT OBS:	63														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.5	1.6	7.2	8.7	1.3	.3		19.6	21.8		22.8	18.4	21.9	20.6	18.2	19.4	18.0	16.9
NE	.2	.5	3.3	3.8	.5	.2		8.5	22.4		7.3	13.2	9.3	8.1	8.6	8.3	7.6	8.9
E	.1	.5	.8	.4	.2	.0		2.0	17.4		.9	.0	2.0	2.0	2.9	.0	1.7	2.1
SE	.1	1.1	1.1	.6	.2	.1		3.4	17.4		2.2	2.6	2.6	3.6	4.0	5.6	3.8	3.8
S	.3	2.0	2.3	1.5	1.0	.4		7.5	20.7		7.3	5.3	9.9	6.0	7.8	.0	8.3	6.1
SW	.2	2.2	3.8	3.3	1.4	.3		11.3	21.7		10.5	13.2	8.0	9.7	11.9	11.1	13.6	14.1
W	.2	2.4	9.1	3.8	2.1	.2		17.9	20.1		17.5	26.3	19.5	16.9	18.0	20.8	15.5	17.8
NW	.1	4.1	13.4	8.6	2.9	.3		29.3	20.4		30.8	21.1	26.2	33.1	27.6	34.7	30.7	30.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5							.5	.0		.6	.0	.6	.0	.8	.0	.8	.0
TOT OBS	23	148	424	321	99	20	1035		20.7		160	19	172	124	255	18	118	169
TOT PCT	2.2	14.3	41.0	31.0	9.6	1.9		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	1.1	3.5	10.1	3.9	1.0		19.6	21.8	22.3	21.4	18.3	17.3	
NE	.4	1.1	4.6	2.1	.3		8.5	22.4	8.0	8.8	8.6	8.4	
E	.5	.5	.5	.3	.1		2.0	17.4	.8	2.0	2.7	1.9	
SE	.7	1.1	1.0	.4	.1		3.4	17.4	2.2	3.0	4.1	3.8	
S	1.3	1.8	1.9	1.8	.6		7.5	20.7	7.1	8.3	7.5	7.0	
SW	.9	2.7	3.8	3.2	.7		11.3	21.7	10.8	8.7	11.8	13.9	
W	1.2	5.4	7.2	2.8	1.4		17.9	20.1	18.4	18.4	18.2	16.8	
NW	1.4	8.5	12.8	5.5	1.2		29.3	20.4	29.7	29.1	28.1	30.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.5						.5	.0	.6	.3	.7	.3	
TOT OBS	83	255	434	207	56	1035		20.7	179	296	273	287	
TOT PCT	8.0	24.6	41.9	20.0	5.4		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1860-1973
(OVER-ALL) 1854-1973

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	.6	1.7	12.8	41.9	31.3	10.1	1.7	20.6	100.0	179
0600	.3	1.0	14.9	38.5	33.8	9.1	2.4	21.2	100.0	296
1200	.7	2.2	14.7	45.4	23.8	11.7	1.3	20.3	100.0	273
1800	.3	2.1	14.3	38.7	34.8	7.7	2.1	20.7	100.0	287
TOT	.5	1.8	14.8	42.4	32.1	9.9	2.0	20.7		1035
PCT	.5	1.7	14.3	41.0	31.0	9.6	1.9		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	9.2	4.4	.0	3.1		2.8
NE	.0	.0	1.8	.4		5.6
E	.0	.0	1.8	.0		3.0
SE	.0	.0	.4	.0		6.0
S	.0	.0	4.8	5.7		7.0
SW	5.3	2.2	5.3	4.4		4.8
W	6.6	3.1	6.6	5.7		4.8
NW	3.3	.9	2.2	19.3		6.7
VAR	.0	.0	.0	.0		.0
CALM	.0	1.8	.0	1.8		5.5
TOT OBS	14	7	13	23	57	5.2
TOT PCT	24.6	12.3	22.8	40.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
	149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
N	.0	.0	.0	.0	3.1	.0	.0	.0	.0	.0	13.6	
NE	.0	.0	.0	1.8	.4	.0	.0	.0	.0	.0	.0	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
S	.0	.0	.0	3.1	3.1	.0	.0	.0	.0	.0	4.4	
SW	.4	.0	.0	4.4	2.6	.0	.0	.0	.0	.0	9.6	
W	1.3	.0	.0	3.1	4.4	1.8	.0	.0	.0	.0	11.4	
NW	.0	.0	.0	3.5	12.7	.0	.0	.0	.0	.0	9.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.8	.0	.0	.0	.0	.0	1.8	
TOT OBS	1	0	0	9	16	1	0	0	0	0	30	57
TOT PCT	1.8	.0	.0	15.8	28.1	1.8	.0	.0	.0	.0	52.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>1000	22.8	28.1	29.8	29.8	29.8	29.8	29.8	29.8
>600	31.6	42.1	43.9	43.9	43.9	43.9	43.9	43.9
>300	31.6	42.1	43.9	43.9	43.9	43.9	43.9	43.9
>150	31.6	42.1	43.9	43.9	43.9	43.9	43.9	43.9
>0	31.6	42.1	43.9	43.9	43.9	43.9	43.9	43.9
TOTAL	18	24	26	26	26	27	27	27

TOTAL NUMBER OF OBS: 57

PCT FREQ NH <5/8: 52.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
	8.6	12.1	12.1	10.3	8.6	1.7	20.7	1.7	22.4	1.7	58

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	1.6	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6	
	NO PCP	.0	.0	.0	.0	.0	.0	3.2	1.6	.0	.0	4.8	
	TOT %	.0	.0	.0	.0	.0	.0	3.2	3.2	.0	.0	6.3	
5<10	PCP	.0	.0	.0	.0	.0	.8	2.4	3.2	.0	.0	6.3	
	NO PCP	.0	.0	.0	.0	2.8	2.0	3.2	3.2	.0	.0	11.1	
	TOT %	.0	.0	.0	.0	2.8	2.8	5.6	6.3	.0	.0	17.5	
10+	PCP	1.6	.0	.0	.0	.0	6.3	.0	3.2	.0	.0	11.1	
	NO PCP	13.5	2.0	1.6	.4	9.5	6.3	13.9	13.1	.0	3.2	63.5	
	TOT %	15.1	2.0	1.6	.4	9.5	12.7	13.9	16.3	.0	3.2	74.6	
TOT OBS													
TOT PCT													
		15.1	2.0	1.6	.4	12.3	15.5	22.6	27.4	.0	3.2	100.0	63

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5	
	TOT %	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.4	4.1	.0	.0	.0	4.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	1.5	.0	.0	1.5	
	22+	.0	.0	.0	.0	.7	2.2	.0	1.5	.0	.0	4.3	
	TOT %	.0	.0	.0	.0	.7	2.6	4.1	3.0	.0	.0	10.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	2.6	.4	3.0	.0	.0	.0	6.0	
	11-21	.0	.0	.0	.0	.0	.4	1.1	4.5	.0	.0	6.0	
	22+	.0	.0	.0	.0	.0	3.4	1.1	1.5	.0	.0	6.0	
	TOT %	.0	.0	.0	.0	2.6	4.1	5.2	6.0	.0	.0	17.9	
10+	0-3	.0	.0	1.5	.0	.0	1.5	.0	.0	.0	3.0	6.0	
	4-10	4.1	1.5	.0	.4	3.7	3.4	4.5	3.4	.0	.0	20.9	
	11-21	9.0	.4	.0	.0	3.7	3.7	3.7	6.3	.0	.0	26.9	
	22+	1.1	.0	.0	.0	1.5	3.4	4.9	5.6	.0	.0	16.4	
	TOT %	14.2	1.9	1.5	.4	9.0	11.9	13.1	15.3	.0	3.0	70.1	
TOT OBS													
TOT PCT													
		14.2	1.9	1.5	.4	12.3	18.7	22.4	25.7	.0	3.0	100.0	67

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	15.4	38.5	.0	.0	.0	.0	.0	53.8	46.2	13
06009	6.7	.0	.0	26.7	26.7	.0	.0	.0	.0	.0	60.0	40.0	15
12015	.0	.0	.0	20.0	20.0	6.7	.0	.0	.0	.0	46.7	53.3	15
18021	.0	.0	.0	.0	28.6	.0	.0	.0	.0	.0	28.6	71.4	14
TOT	1	0	0	9	16	1	0	0	0	0	27	30	57
PCT	1.8	.0	.0	15.8	28.1	1.8	.0	.0	.0	.0	47.4	52.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	.0	35.7	64.3	14
06009	.0	.0	.0	22.2	11.1	66.7	18
12015	5.6	.0	.0	16.7	11.1	66.7	18
18021	.0	.0	.0	.0	17.6	82.4	17
TOT	1	0	0	7	12	47	67
PCT	1.5	.0	.0	10.4	17.9	70.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	15.4	38.5	46.2	13
06009	6.7	6.7	46.7	20.0	52.3	15
12015	.0	6.7	33.3	26.7	40.0	15
18021	.0	.0	.0	28.6	71.4	14
TOT	1	2	14	16	27	57
PCT	1.8	3.5	24.6	28.1	47.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.0	.0	3.6	2	3.6
65/69	.0	.0	.0	.0	.0	3.6	3.6	.0	4	7.1
60/64	.0	.0	.0	.0	.0	.0	3.6	3.6	4	7.1
55/59	.0	.0	.0	.0	3.6	5.4	16.1	12.5	21	37.5
50/54	.0	.0	.0	1.8	5.4	8.9	7.1	5.4	18	28.6
45/49	.0	.0	.0	.0	1.8	8.9	3.6	.0	8	14.3
40/44	.0	.0	.0	.0	.0	1.8	.0	.0	1	1.8
TOTAL	0	0	0	1	8	16	19	14	56	100.0
PCT	.0	.0	.0	1.8	10.7	28.6	33.9	25.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
1.3	.0	.0	.0	.0	.0	1.3	.9	.0	.0
1.3	.0	.0	.0	.0	.0	5.4	.4	.0	.0
5.4	.0	.0	.0	.0	.4	1.3	.0	.0	.0
4.5	.0	.0	.4	4.9	2.7	5.8	19.2	.0	.0
2.7	2.2	1.8	.0	4.5	6.7	3.1	7.6	.0	.0
.0	.0	.0	.0	4.5	6.3	.0	.0	.0	3.6
.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0
15.2	2.2	1.8	.4	13.8	17.9	17.0	28.1	.0	3.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	66	65	60	54	47	45	45	53.9	157
06009	73	64	61	54	47	44	41	54.4	274
12015	71	64	62	55	48	45	43	55.3	269
18021	69	63	61	55	48	46	41	54.7	266
TOT	73	64	61	55	48	45	41	54.7	966

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	7.7	7.7	15.4	46.2	23.1	81	13
06009	.0	.0	6.7	33.3	20.0	40.0	85	15
12015	.0	.0	23.1	23.1	30.8	23.1	81	15
18021	.0	.0	6.7	40.0	40.0	13.3	80	15
TOT	0	1	6	16	19	14	82	56

PERIOD: (PRIMARY) 1860-1975
(OVER-ALL) 1854-1975

JULY

AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WD FOG
7/8	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1	.0	1.7
6	.0	.0	.0	.0	1.7	.0	.0	.0	.0	1	.0	1.7
5	.0	.0	.0	1.7	1.7	.0	.0	1.7	1.7	4	.0	6.9
4	.0	.0	.0	1.7	6.9	.0	.0	.0	.0	5	.0	8.6
3	.0	.0	.0	.0	1.7	.0	.0	1.7	.0	2	.0	3.4
2	.0	.0	.0	10.3	3.4	1.7	.0	1.7	.0	10	1.7	15.5
1	.0	.0	.0	6.9	5.2	.0	.0	.0	.0	7	.0	12.1
0	.0	.0	1.7	3.4	3.4	.0	3.4	.0	.0	7	.0	12.1
-1	.0	.0	5.2	3.4	.0	.0	.0	.0	.0	5	.0	8.6
-2	.0	.0	1.7	3.4	.0	.0	.0	.0	.0	3	.0	5.2
-3	.0	.0	3.4	.0	.0	.0	.0	.0	.0	2	.0	3.4
-4	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	2	.0	3.4
-5	.0	1.7	3.4	.0	.0	.0	.0	.0	.0	3	.0	5.2
-6	1.7	.0	.0	.0	1.7	.0	.0	.0	.0	2	.0	3.4
-7/-8	.0	6.9	.0	.0	.0	.0	.0	.0	.0	4	.0	6.9
TOTAL	1	6	10	18	16	1	2	3	1	58	1	57
PCT	1.7	10.3	17.2	31.0	27.6	1.7	3.4	5.2	1.7	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	1.9	.0	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	2.5	.0	.0	.0	5.0	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	2.5	10.6	.0	.0	.0	13.1	.0	.0	.6	.0	.0	.0	.6
5-6	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.9	15.0	.0	.0	.0	21.9	.0	2.5	.6	.0	.0	.0	3.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6

PERIOD: (OVER-ALL) 1963-1975

JULY

AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.3M

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	2.5	.0	.0	.0	.0		2.5	.0	.0	.0	.0	.0	.0		2.5
1-2	.0	6.3	.0	.0	.0	.0		6.3	.0	5.6	.0	.0	.0	.0		5.6
3-4	.0	.0	1.9	.0	.0	.0		1.9	.0	.0	.6	.0	.0	.0		.6
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.6	.0	.0	.0		.6
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	8.8	1.9	.0	.0	.0		10.6	2.5	5.6	1.3	.0	.0	.0		9.4

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.6	.0	.0	.0	.0		.6	
1-2	.0	11.9	2.5	.0	.0	.0		14.4	.0	.6	.0	.0	.0	.0		.6	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	2.5	6.3	.0	.0	.0		8.8	
5-6	.0	.0	4.4	.0	.0	.0		4.4	.0	.0	10.6	.0	.0	.0		10.6	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	2.5	2.5	.0	.0		5.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	5.0	.0	.0		5.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	11.9	6.9	.0	.0	.0		18.8	.0	3.8	19.4	7.5	.0	.0		30.6	95.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.5	5.0	.0	.0	.0	.0	12.5	
1-2	.0	30.0	5.0	.0	.0	.0	35.0	
3-4	.0	5.0	20.0	.0	.0	.0	25.0	
5-6	.0	.0	17.5	.0	.0	.0	17.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	2.5	2.5	.0	.0	5.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	5.0	.0	.0	5.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.5	40.0	45.0	7.5	.0	.0	100.0	40

PERIOD: (OVER-ALL) 1952-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	4.1	12.2	2.0	6.1	.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	3
6-7	.0	.0	4.1	4.1	2.0	.0	6.1	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	7
8-9	.0	.0	2.0	6.1	6.1	2.0	.0	2.0	.0	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	9
10-11	.0	.0	.0	.0	2.0	.0	.0	.0	2.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	4	14
12-13	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	4.1	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	.0	.0	.0	.0	.0	6.1	.0	4.1	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	10
TOTAL	2	6	4	10	6	5	4	2	5	1	0	0	0	0	0	0	0	0	0	49	7
PCT	4.1	12.2	8.2	20.4	12.2	10.2	8.2	8.2	4.1	10.2	2.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1854-1975

AUGUST

APEA 0020 TRISTAN DA CUNHA GROUP
37.75 10.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	8.8	.0	11.8	.0	.0	.0	.0	20.6	.0	.0	.0	.0	.0	.0	79.4
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	33.3	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
S	17.4	.0	.0	.0	.0	.0	.0	17.4	.0	.0	.0	.0	.0	.0	82.6
SW	.0	6.3	6.3	.0	.0	.0	.0	12.7	.0	.0	.0	.0	.0	.0	87.3
W	9.7	3.5	14.2	.0	.0	.0	.0	27.4	.0	.0	.0	.0	.0	.0	72.6
NW	14.9	.0	13.2	.0	.0	.0	.0	28.1	.0	.0	3.3	.0	.0	.0	68.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	100.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	9.4	2.1	13.5	.0	.0	.0	.0	25.0	.0	.0	1.0	.0	.0	.0	74.0
TOT OBS:	96														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG NO PCPN	FGG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	11.8	5.9	11.8	.0	.0	.0	.0	29.4	.0	.0	.0	.0	.0	.0	70.6
06009	8.6	2.9	17.1	.0	.0	.0	.0	28.6	.0	.0	2.9	.0	.0	.0	68.6
12015	6.3	.0	6.3	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	87.5
18021	9.7	.0	16.1	.0	.0	.0	.0	25.8	.0	.0	.0	.0	.0	.0	74.2
TOT PCT	9.1	2.0	14.1	.0	.0	.0	.0	25.3	.0	.0	1.0	.0	.0	.0	73.7
TOT OBS:	99														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)										HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD		00	03	06	09	12	15
N	.3	1.9	6.1	6.9	2.6	.5	18.4	23.1		17.3	19.0	15.0	19.7	17.5	50.0	17.5
NE	.1	2.0	4.5	4.0	1.3	.2	12.2	21.3		10.3	11.9	13.6	10.6	10.9	.0	12.0
E	.2	.5	2.1	1.3	.1	.0	4.3	17.9		4.1	16.7	4.4	3.5	3.9	.0	2.7
SE	.3	.8	1.4	.5	.1	.2	3.2	17.4		4.4	2.4	3.1	2.8	3.9	.0	3.0
S	.3	1.2	2.8	2.7	1.2	.2	8.4	21.6		4.4	7.1	7.1	10.2	11.6	.0	8.7
SW	.1	1.7	4.6	3.5	1.7	.2	11.2	21.1		13.9	11.9	11.4	11.4	11.6	.0	10.0
W	.3	2.5	6.0	4.7	2.3	.7	16.5	22.4		19.8	19.0	17.5	15.4	16.9	6.3	17.2
NW	.3	4.0	7.2	8.4	4.2	1.3	25.3	23.8		24.5	11.9	27.4	26.4	22.8	43.8	29.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	.5						.5	.0		1.3	.0	.6	.0	.7	.0	.6
TOT OBS	27	159	381	351	143	37	1098	22.1		160	21	180	127	280	8	150
TOT PCT	2.5	14.5	34.7	32.0	13.0	3.4	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	00					06	12	18		
										03	09	15	21	
N	1.3	3.2	8.5	3.7	1.7		18.4	23.1	17.3	16.9	18.4	20.1		
NE	.9	2.8	4.8	2.9	.8		12.2	21.3	10.3	12.4	10.6	14.3		
E	.3	1.5	1.8	.7	.0		4.3	17.9	5.5	4.1	3.8	4.2		
SE	.5	1.6	.5	.3	.3		3.2	17.4	4.1	2.9	3.8	2.5		
S	.5	2.4	3.1	1.8	.6		8.4	21.6	4.7	8.4	11.5	7.6		
SW	.7	2.9	4.6	2.6	.5		11.2	21.1	13.7	11.4	11.3	9.6		
W	1.0	4.4	6.6	2.6	2.0		16.5	22.4	19.8	16.6	16.6	14.5		
NW	1.8	5.6	9.3	5.3	3.3		25.3	23.8	23.1	27.0	23.4	26.9		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	.5						.5	.0	1.1	.3	.7	.3		
TOT OBS	83	268	429	217	101	1098		22.1	181	307	288	322		
TOT PCT	7.6	24.4	39.1	19.8	9.2		100.0		100.0	100.0	100.0	100.0		

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PERIOD: (PRIMARY) 1A62-1975
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)							PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+	MEAN		
00603	1.1	1.1	13.8	34.3	32.0	13.8	3.9	22.4	100.0	181
06609	.3	1.6	16.9	33.9	30.6	12.7	3.9	22.1	100.0	307
12615	.7	4.2	12.5	33.0	32.6	14.6	2.4	22.0	100.0	288
18621	.3	.6	14.3	37.3	32.6	11.5	3.4	21.9	100.0	322
TOT	.6	21	159	381	351	143	37	22.1		1098
PCT	.5	1.9	14.5	34.7	32.0	13.0	3.4		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	3.8	.0	5.9	3.0		3.1
NE	2.1	.0	.4	.0		1.3
E	1.7	.0	.0	.0		1.0
SE	1.7	.0	.0	3.4		5.3
S	.0	.0	5.1	1.7		7.0
SW	1.7	5.9	8.1	.0		4.4
W	1.7	5.9	15.3	5.1		5.7
NW	5.9	3.4	2.5	12.3		5.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	3.4		8.0
TOT OBS	11	9	22	17	59	5.3
TOT PCT	18.6	15.3	37.3	28.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	1.3	3.0	1.7	1.7	.0	.0	.0	.0	5.1	
NE	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.1	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	
SE	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	1.7	
S	.0	.0	1.7	.0	3.4	1.7	.0	.0	.0	.0	.0	
SW	.0	.0	.0	1.7	3.4	.0	.0	.0	.0	.0	10.6	
W	.0	.0	.0	6.4	3.4	3.4	.0	.0	.0	.0	14.8	
NW	.0	.0	3.8	5.5	5.1	.0	.0	.0	.0	.0	9.7	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	5	12	11	4	0	0	0	0	27	59
TOT PCT	.0	.0	8.5	20.3	18.6	6.8	.0	.0	.0	.0	45.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)				OR			
	>10	>5	>2	>1	>10	>5	>2	>1
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
>1000	21.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0
>600	26.7	38.3	41.7	43.3	45.0	45.0	45.0	45.0
>300	28.3	40.0	45.0	46.7	51.7	53.3	53.3	53.3
>150	28.3	40.0	45.0	46.7	51.7	53.3	53.3	53.3
>0	28.3	40.0	45.0	46.7	51.7	53.3	53.3	53.3
TOTAL	17	24	27	28	31	32	32	32

TOTAL NUMBER OF OBS: 60

PCT FREQ NH <5/8: 46.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	8.8	2.9	16.2	14.7	8.8	5.9	27.9	8.8	5.9	.0	68

PERIOD: (PRIMARY) 1962-1975
(OVER-ALL) 1954-1975

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
1/2<1	PCP	.0	.0	.0	.0	1.0	.0	.8	3.4	.0	.0	5.2	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	1.0	.0	.8	3.4	.0	.0	5.2	
1<2	PCP	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	2.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	2.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	3.1	1.0	.0	1.0	5.2	
	NO PCP	.0	.0	.0	.0	.0	1.3	1.8	2.1	.0	.0	5.2	
	TOT %	.0	.0	.0	.0	.0	1.3	4.9	3.1	.0	1.0	10.4	
5<10	PCP	1.0	.0	.0	1.0	.0	1.0	3.1	1.0	.0	1.0	8.3	
	NO PCP	1.0	.0	.0	.0	.8	4.4	5.2	13.5	.0	.0	25.0	
	TOT %	2.1	.0	.0	1.0	.8	5.5	8.3	14.6	.0	1.0	33.3	
10+	PCP	.0	.0	.0	.0	.0	.0	1.0	2.1	.0	.0	3.1	
	NO PCP	6.0	1.6	1.0	2.1	4.2	8.6	14.3	7.0	.0	.0	44.8	
	TOT %	6.0	1.6	1.0	2.1	4.2	8.6	15.4	9.1	.0	.0	47.9	
TOT OBS													96
TOT PCT		8.9	1.6	1.0	3.1	6.0	16.4	29.4	31.5	.0	2.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.8	.0	.0	.0	.0	.0	.0	.3	.0	.0	1.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	1.0	.0	.8	2.3	.0	.0	4.2	
	22+	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	TOT %	.0	.0	.0	.0	1.0	.0	.8	3.4	.0	.0	5.2	
1<2	0-3	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	
	TOT %	.0	.0	.0	.0	.0	1.0	.0	1.0	.0	.0	2.1	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
	4-10	.0	.0	.0	.0	.0	.0	2.1	2.1	.0	.0	4.2	
	11-21	.0	.0	.0	.0	.0	1.3	.8	1.0	.0	.0	3.1	
	22+	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	2.1	
	TOT %	.0	.0	.0	.0	.0	1.3	4.9	3.1	.0	1.0	10.4	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.0	
	4-10	1.0	.0	.0	1.0	.0	2.1	5.7	4.7	.0	.0	14.6	
	11-21	1.0	.0	.0	.0	.8	2.3	.0	4.2	.0	.0	8.3	
	22+	.0	.0	.0	.0	.0	1.0	2.6	5.7	.0	.0	9.4	
	TOT %	2.1	.0	.0	1.0	.8	5.5	8.3	14.6	.0	1.0	33.3	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	3.6	1.6	1.0	.0	.0	1.3	3.9	2.1	.0	.0	13.5	
	11-21	1.6	.0	.0	2.1	2.1	1.8	8.6	2.6	.0	.0	18.8	
	22+	.8	.0	.0	.0	2.1	5.5	2.9	4.4	.0	.0	15.6	
	TOT %	6.0	1.6	1.0	2.1	4.2	8.6	15.4	9.1	.0	.0	47.9	
TOT OBS													96
TOT PCT		8.9	1.6	1.0	3.1	6.0	16.4	29.4	31.5	.0	2.1	100.0	

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PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	5.9	23.5	.0	5.9	.0	.0	.0	.0	35.3	64.7	17
06009	.0	.0	11.1	5.6	22.2	5.6	.0	.0	.0	.0	44.4	55.6	18
12015	.0	.0	7.1	14.3	21.4	7.1	.0	.0	.0	.0	50.0	50.0	14
18021	.0	.0	5.6	27.8	22.2	5.6	.0	.0	.0	.0	61.1	38.9	18
TOT	0	0	5	12	11	4	0	0	0	0	32	35	67
PCT	.0	.0	7.5	17.9	16.4	6.0	.0	.0	.0	.0	47.8	52.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	5.9	.0	5.9	17.6	11.8	58.8	17
06009	.0	2.9	2.9	14.3	48.6	31.4	35
12015	.0	6.3	.0	.0	12.5	81.3	16
18021	.0	9.7	3.2	6.5	38.7	41.9	31
TOT	1	5	3	10	33	47	99
PCT	1.0	5.1	3.0	10.1	33.3	47.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	5.9	35.3	5.9	58.8	17
06009	.0	14.3	21.4	35.7	42.9	14
12015	.0	7.1	21.4	28.6	50.0	14
18021	.0	13.3	40.0	33.3	26.7	15
TOT	0	6	18	15	27	60
PCT	.0	10.0	30.0	25.0	45.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
60/64	.0	.0	.0	3.8	.0	.0	1.9	.0	3	5.7
55/59	.0	.0	.0	3.8	.0	3.8	5.7	11.3	13	24.5
50/54	.0	.0	.0	.0	1.9	5.7	20.8	5.7	18	34.0
45/49	.0	.0	.0	.0	3.8	15.1	7.5	5.7	17	32.1
40/44	.0	.0	.0	3.8	.0	.0	.0	.0	2	3.8
TOTAL	0	0	0	6	3	13	19	12	53	100.0
PCT	.0	.0	.0	11.3	5.7	24.5	35.8	22.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
2.8	.5	.0	.0	.0	1.9	.0	.5	.0	.0
3.3	.0	.0	3.8	.0	.0	1.9	13.7	.0	1.9
6.6	.0	.0	.0	.0	2.4	16.0	9.0	.0	.0
.0	1.9	.0	1.9	7.5	6.6	10.4	1.9	.0	1.9
.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0
12.7	2.4	.0	5.7	7.5	14.6	28.3	25.0	.0	3.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	62	59	54	46	43	43	53.7	170
06009	68	64	61	55	48	45	44	54.6	295
12015	64	62	60	55	48	43	37	54.9	282
18021	65	63	60	55	48	45	44	55.0	302
TOT	68	63	60	55	48	44	37	54.6	1049

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	11.8	.0	11.8	52.9	23.5	83	17
06009	.0	13.3	6.7	26.7	26.7	26.7	81	15
12015	.0	20.0	20.0	30.0	20.0	10.0	73	10
18021	.0	.0	8.3	33.3	33.3	25.0	82	12
TOT	0	6	4	13	19	12	80	54

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1854-1975

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.0	1.7	1	.0	1.7
7/8	.0	.0	.0	.0	5.0	.0	3	.0	5.0
6	.0	.0	.0	.0	1.7	.0	1	.0	1.7
5	.0	.0	.0	.0	5.0	.0	3	.0	5.0
4	.0	.0	.0	1.7	3.3	.0	3	.0	5.0
3	.0	.0	.0	10.0	.0	.0	6	.0	10.0
2	.0	.0	.0	5.0	.0	1.7	4	.0	6.7
1	.0	.0	5.0	10.0	.0	.0	9	.0	15.0
0	.0	.0	1.7	.0	1.7	.0	2	.0	3.3
-1	.0	.0	5.0	.0	.0	1.7	4	.0	6.7
-2	.0	.0	5.0	.0	1.7	1.7	5	.0	8.3
-3	.0	.0	3.3	.0	.0	.0	2	.0	3.3
-4	.0	3.3	1.7	.0	1.7	.0	4	.0	6.7
-5	.0	6.7	.0	.0	1.7	.0	5	.0	8.3
-6	.0	1.7	.0	.0	.0	.0	1	.0	1.7
-7/-8	3.3	3.3	.0	.0	.0	.0	4	.0	6.7
-9/-10	1.7	1.7	.0	.0	.0	.0	2	.0	3.3
-14/-16	.0	.0	.0	1.7	.0	.0	1	.0	1.7
TOTAL	3	13	13	13	4	60	60	0	60
PCT	5.0	16.7	21.7	28.3	21.7	6.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	11.5	.0	.0	.0	.0	11.5	.0	3.8	.0	.0	.0	.0	3.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	11.5	5.8	.0	.0	17.3	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.5	11.5	5.8	.0	.0	28.8	.0	3.8	.0	.0	.0	.0	3.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

AUGUST

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	7.7	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	7.7	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	7.7	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	3.8	15.4	.0	.0	26.9	.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	7.7	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	7.7	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	7.7	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	1.9	.0	.0	5.8	.0	.0
7	.0	.0	5.8	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	5.8	.0	.0	.0	5.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.7	11.5	.0	.0	.0	19.2	.0	.0	7.7	11.5	1.9	.0	.0	21.2	100.0	.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	7.7	.0	.0	.0	.0	7.7	
1-2	.0	15.4	7.7	.0	.0	.0	23.1	
3-4	.0	7.7	.0	.0	.0	.0	7.7	
5-6	.0	.0	15.4	7.7	.0	.0	23.1	
7	.0	.0	7.7	.0	.0	.0	7.7	
8-9	.0	.0	7.7	.0	.0	.0	7.7	
10-11	.0	.0	.0	7.7	.0	.0	7.7	
12	.0	.0	.0	7.7	.0	.0	7.7	
13-16	.0	7.7	.0	.0	.0	.0	7.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	38.5	38.5	23.1	.0	.0	100.0	13

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<1	.0	.0	19.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
1-2	.0	9.5	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
3-4	.0	.0	.0	.0	4.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
5-6	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	18
7	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	23
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	5	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	9
INDEX	4.8	.0	.0	9.5	4.8	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	1	2	4	3	3	2	1	0	0	2	1	2	0	0	0	0	0	0	0	21	9
PCT	4.8	9.5	19.0	14.3	14.3	9.5	4.8	.0	.0	9.5	4.8	9.5	.0	.0	.0	.0	.0	.0	.0	100.0	.0

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
37.35 10.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	25.7	.0	5.5	.0	.0	.0	.0	31.2	.0	.0	3.7	.0	.0	.0	65.1
NE	17.4	17.4	4.3	.0	.0	.0	.0	39.1	.0	.0	.0	.0	.0	.0	60.9
E	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
SE	.0	.0	27.8	.0	.0	.0	.0	27.8	.0	.0	.0	.0	.0	.0	72.2
S	13.9	.0	6.5	.0	.0	.0	.0	20.4	.0	.0	.0	.0	3.7	.0	75.9
SW	1.0	.0	16.7	.0	.0	.0	.0	17.7	5.2	.0	.0	.0	.0	.0	77.1
W	7.0	.0	3.5	.0	.0	.0	.0	10.4	9.6	.0	.0	.0	.0	.0	80.0
NW	9.4	2.3	12.3	.0	.0	.0	.0	24.0	2.3	.0	.0	.0	.0	.0	73.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	11.4	1.2	9.0	.0	.0	.0	.0	21.7	3.0	.0	.6	.0	.6	.0	74.1
TOT OBS:	166														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THUR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG	DUST	NO SIG WEA
00003	5.9	5.9	11.8	.0	.0	.0	.0	23.5	.0	.0	5.9	.0	.0	.0	.0	70.6
06009	11.9	.0	8.5	.0	.0	.0	.0	20.3	1.7	.0	.0	.0	1.7	.0	.0	76.3
12015	12.1	3.0	15.2	.0	.0	.0	.0	30.3	3.0	.0	.0	.0	.0	.0	.0	66.7
18021	11.5	.0	4.9	.0	.0	.0	.0	16.4	4.9	.0	.0	.0	.0	.0	.0	78.7
TOT PCT	11.2	1.2	8.8	.0	.0	.0	.0	21.2	2.9	.0	.6	.0	.6	.0	.0	74.7
TOT OBS:	170															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21		
N	.2	2.5	7.5	7.9	1.8	.2		20.1	21.3	26.0	33.3	19.0	17.9	17.5	16.7	18.6	24.1		
NE	.2	2.1	3.3	3.3	.9	.2		10.1	19.8	10.7	16.7	7.2	14.4	10.4	8.3	9.1	9.0		
E	.2	1.2	1.1	.3	.1	.0		2.9	14.5	1.7	11.1	2.0	3.5	3.5	4.2	2.7	2.6		
SE	.4	1.2	.6	.3	.2	.0		2.4	15.0	3.1	.0	2.4	.9	2.7	4.2	2.2	3.0		
S	.4	2.9	2.9	2.2	.9	.3		9.6	18.5	10.1	.0	11.6	6.2	8.9	4.2	11.7	9.8		
SW	.3	2.7	4.6	4.5	.9	.4		13.0	18.8	11.4	5.6	11.9	17.7	11.5	8.3	16.6	12.8		
W	.3	2.9	8.5	4.3	1.1	.2		17.4	19.1	14.0	11.1	16.5	14.6	20.4	37.5	17.8	16.2		
NW	.7	4.2	9.4	7.0	1.7	.3		23.3	19.5	20.5	22.2	27.6	23.9	24.0	16.7	20.6	21.8		
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.2							1.2	.0	2.5	.0	1.7	.9	1.1	.0	.7	.8		
TOT OBS	36	197	381	300	79	14	1007		19.1		121	18	176	113	285	12	149	133	
TOT PCT	3.6	19.6	37.8	29.8	7.8	1.4		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	1.1	5.0	9.0	4.4	.6		20.1	21.3	27.0	18.6	17.4	21.2	
NE	.9	3.3	3.5	2.1	.3		10.1	19.8	11.5	10.0	10.4	9.0	
E	.5	1.2	.9	.2	.1		2.9	14.5	2.9	2.6	3.5	2.7	
SE	.3	1.4	.3	.3	.1		2.4	15.0	2.7	1.8	2.8	2.6	
S	1.6	3.2	2.9	1.4	.5		9.6	18.5	8.8	9.5	8.8	10.8	
SW	1.5	3.6	5.4	2.5	.4		13.0	18.8	10.6	14.2	11.4	14.8	
W	1.1	5.9	7.1	2.4	.9		17.4	19.1	13.7	15.7	21.0	17.0	
NW	1.8	6.9	9.9	4.1	.6		23.3	19.5	20.7	26.1	23.7	21.2	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	1.2						1.2	.0	2.2	1.4	1.0	.7	
TOT OBS	101	305	393	175	33	1007		19.1	139	289	297	282	
TOT PCT	10.0	30.3	39.0	17.4	3.3		100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
09003	2.2	1.4	15.1	46.0	25.9	8.6	.7	19.2	100.0	139
09009	1.4	2.4	21.8	37.0	26.6	9.7	1.0	18.7	100.0	289
12015	1.0	2.0	16.2	36.0	35.4	7.4	2.0	20.5	100.0	297
18021	.7	3.2	23.0	36.5	29.1	6.0	1.4	18.2	100.0	282
TOT	12	24	197	381	300	79	14	19.1		1007
PCT	1.2	2.4	19.6	37.8	29.8	7.8	1.4		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.1	5.7	12.2		7.3
NE	.0	1.1	1.4	3.8		7.0
E	.0	.0	.0	1.1		8.0
SE	.3	.0	.0	.3		4.0
S	.8	1.9	1.9	5.2		6.0
SW	.0	.5	6.3	5.7		7.0
W	.0	3.0	10.1	6.8		6.2
NW	1.1	1.1	9.5	14.9		6.9
VAR	.0	.0	.0	.0		.0
CALM	3.3	.0	1.1	.0		2.5
TOT OBS	5	8	33	46	92	6.6
TOT PCT	5.4	8.7	35.9	50.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
.0	.0	.0	6.0	6.5	.0	1.1	.0	.0	.0	5.4	
.0	.0	1.1	.0	.5	.0	.0	.0	.0	.0	4.6	
.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.8	4.3	.8	.0	.0	.0	.0	3.8	
.0	.0	.0	2.2	7.1	2.7	.0	.0	.0	.0	.5	
.0	.0	.0	3.0	5.7	6.3	1.1	.0	.0	.0	3.8	
.0	.0	.0	7.3	11.7	2.2	.0	.0	.0	.0	5.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	3.3	
.0	.0	1	19	33	12	2	.0	.0	.0	25	92
.0	.0	1.1	20.7	35.9	13.0	2.2	.0	.0	.0	27.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	1.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
>2000	10.6	14.9	14.9	14.9	14.9	14.9	14.9	14.9
>1000	37.2	44.7	51.1	51.1	51.1	51.1	51.1	51.1
>600	43.6	57.4	67.0	69.1	71.3	71.3	71.3	71.3
>300	43.6	57.4	67.0	69.1	71.3	72.3	72.3	72.3
>150	43.6	57.4	67.0	69.1	71.3	72.3	72.3	72.3
>0	43.6	57.4	67.0	69.1	71.3	72.3	72.3	72.3
TOTAL	41	54	63	65	67	68	68	68

TOTAL NUMBER OF OBS: 94

PCT FREQ NH <5/8: 27.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.7	3.6	8.9	9.8	9.8	12.5	17.9	9.8	25.0	.0	112

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PERIOD: (PRIMARY) 1864-1975
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AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	PCP	.6	.0	.0	.0	.5	.8	.0	.0	.0	.0	1.8	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.6	.0	.0	.0	.5	.8	.0	.0	.0	.0	1.8	
1<2	PCP	2.6	.0	.0	.2	.5	.0	.6	1.7	.0	.0	5.4	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.6	.0	.0	.2	.5	.0	.6	1.7	.0	.0	5.4	
2<5	PCP	1.1	.0	.0	.0	1.2	.0	.0	3.2	.0	.0	5.4	
	NO PCP	1.2	.0	.0	.0	.6	.0	1.5	3.3	.0	.0	6.6	
	TOT %	2.3	.0	.0	.0	1.8	.0	1.5	6.5	.0	.0	12.0	
5<10	PCP	.5	.0	.6	.6	.6	.6	1.2	1.4	.0	.0	5.4	
	NO PCP	3.0	.0	.6	1.2	4.2	5.0	4.8	4.1	.0	.0	22.9	
	TOT %	3.5	.0	1.2	1.8	4.8	5.6	6.0	5.4	.0	.0	28.3	
10+	PCP	.5	.8	.0	.0	.6	1.2	.0	.0	.0	.0	3.0	
	NO PCP	7.1	2.1	.0	.8	8.1	6.9	9.2	12.2	.0	2.4	48.8	
	TOT %	7.5	2.9	.0	.8	8.7	8.1	9.2	12.2	.0	2.4	51.8	
TOT OBS													166
TOT PCT		16.4	3.5	1.2	2.7	16.3	14.5	17.3	25.8	.0	2.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.6	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
	22+	.0	.0	.0	.0	.4	.7	.0	.0	.0	.0	1.2	
	TOT %	.6	.0	.0	.0	.4	.7	.0	.0	.0	.0	1.8	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	11-21	1.5	.0	.0	.0	.0	.0	.6	.3	.0	.0	2.4	
	22+	1.0	.0	.0	.1	.4	.0	.0	.7	.0	.0	2.4	
	TOT %	2.5	.0	.0	.1	.4	.0	.6	1.6	.0	.0	5.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6	
	4-10	.4	.6	.0	.0	.6	.0	.0	1.3	.0	.0	2.4	
	11-21	.6	.0	.0	.0	.6	.0	.9	2.7	.0	.0	4.8	
	22+	1.2	.0	.0	.0	.6	.0	.6	1.8	.0	.0	4.2	
	TOT %	2.2	.0	.0	.0	1.8	.0	1.5	6.4	.0	.0	11.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.6	.0	.6	.9	4.3	1.5	1.9	1.9	.0	.0	11.9	
	11-21	1.9	.0	.0	.9	.3	.1	3.7	1.9	.0	.0	8.9	
	22+	.9	.0	.6	.0	.0	3.9	.7	1.6	.0	.0	7.7	
	TOT %	3.4	.0	1.2	1.8	4.8	5.5	6.4	5.5	.0	.0	28.6	
10+	0-3	.0	.0	.0	.0	.0	.0	.4	1.3	.0	2.4	4.2	
	4-10	1.5	.6	.0	.1	3.4	4.0	4.3	3.9	.0	.0	17.9	
	11-21	6.0	2.2	.0	.6	5.2	2.2	3.7	6.8	.0	.0	26.8	
	22+	.0	.0	.0	.0	.4	1.9	.6	.0	.0	.0	3.0	
	TOT %	7.4	2.8	.0	.7	9.1	8.2	9.1	12.1	.0	2.4	51.8	
TOT OBS													168
TOT PCT		16.2	3.4	1.2	2.7	16.5	14.4	17.6	25.6	.0	2.4	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL OBS	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	18.8	37.5	.0	6.3	.0	.0	.0	62.5	37.5	16
06009	.0	.0	.0	21.1	26.3	13.2	.0	.0	.0	.0	60.5	39.5	38
12015	.0	.0	4.2	25.0	25.0	20.8	.0	.0	.0	.0	75.0	25.0	24
18021	.0	.0	.0	6.9	41.4	6.9	3.4	.0	.0	.0	58.6	41.4	29
TOT	0	0	1	19	34	12	2	0	0	0	68	39	107
PCT	.0	.0	.9	17.8	31.8	11.2	1.9	.0	.0	.0	63.6	36.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	5.9	11.8	29.4	52.9	17
06009	.0	1.7	3.3	11.7	31.7	51.7	60
12015	3.0	3.0	6.1	9.1	27.3	51.5	33
18021	.0	1.6	6.5	14.5	27.4	50.0	62
TOT	1	3	9	21	50	88	172
PCT	.6	1.7	5.2	12.2	29.1	51.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	33.3	40.0	26.7	15
06009	.0	3.1	31.3	40.6	28.1	32
12015	.0	9.1	36.4	45.5	18.2	22
18021	.0	.0	16.0	52.0	32.0	25
TOT	0	3	27	42	25	94
PCT	.0	3.2	28.7	44.7	26.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	1	1.0
65/69	.0	.0	.0	.0	2.0	.0	1.0	1.0	4	4.1
60/64	.0	.0	.0	.0	.0	2.0	6.1	1.0	9	9.2
55/59	.0	.0	.0	1.0	5.1	6.1	12.2	3.1	27	27.6
50/54	.0	.0	.0	2.0	5.1	6.1	12.2	8.2	33	33.7
45/49	.0	.0	.0	.0	2.0	12.2	3.1	3.1	20	20.4
40/44	.0	.0	.0	.0	.0	2.0	2.0	.0	4	4.1
TOTAL	0	0	0	3	14	28	36	17	98	100.0
PCT	.0	.0	.0	3.1	14.3	28.6	36.7	17.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0
65/69	2.6	.5	.0	.0	.0	.0	.0	1.0	.0	.0
60/64	4.1	.0	.0	.0	.0	.0	1.8	3.3	.0	.0
55/59	3.3	1.3	.0	.0	.0	1.3	6.6	15.1	.0	.0
50/54	6.9	2.0	.0	.3	4.6	4.1	9.4	5.4	.0	1.0
45/49	1.8	2.0	1.0	.3	8.4	6.6	.0	.3	.0	.0
40/44	.0	.0	.0	.0	.0	1.0	.0	.0	.0	3.1
TOTAL	18.6	5.9	1.0	.5	13.0	13.0	17.9	26.0	.0	4.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	66	60	59	54	46	44	44	53.8	139
06009	70	64	61	55	47	43	43	54.3	282
12015	71	64	62	55	48	44	43	55.4	290
18021	66	63	62	55	48	45	43	55.1	278
TOT	71	64	61	55	47	44	43	54.8	989

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	20.0	13.3	46.7	20.0	82	15
06009	.0	.0	9.4	31.3	37.5	21.9	82	32
12015	.0	8.3	16.7	16.7	37.5	20.8	79	24
18021	.0	3.4	26.7	41.4	27.6	6.9	76	29
TOT	0	3	16	28	36	17	79	100

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	TOT	W FOG	WU FOG
3	.0	.0	.0	5.7	4.5	.0	.0	.0	9	.0	10.2
2	.0	1.1	2.3	1.1	4.5	.0	.0	1.1	9	.0	10.2
1	.0	.0	2.3	5.7	.0	.0	.0	.0	7	.0	8.0
0	1.1	1.1	6.8	5.7	.0	.0	.0	1.1	14	1.1	14.8
-1	.0	1.1	4.5	4.5	.0	.0	1.1	.0	10	.0	11.4
-2	2.3	6.8	1.1	2.3	.0	.0	1.1	.0	12	.0	13.6
-3	.0	2.3	4.5	.0	.0	.0	.0	.0	6	.0	6.8
-4	.0	4.5	4.5	.0	.0	.0	.0	.0	8	.0	9.1
-5	.0	2.3	3.4	.0	.0	.0	.0	.0	5	.0	5.7
-6	2.3	1.1	.0	.0	.0	.0	.0	.0	3	.0	3.4
-7/-8	2.3	.0	2.3	.0	.0	.0	.0	.0	4	.0	4.5
-9/-10	.0	.0	.0	.0	1.1	.0	.0	.0	1	.0	1.1
TOTAL	7	18	28	22	9	0	2	2	88	1	87
PCT	8.0	20.5	31.0	25.0	10.2	.0	2.3	2.3	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	1.7	.0	.0	.0	1.7
3-4	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.3	8.9	.0	.0	.0	10.2	.0	.0	1.3	.0	.0	.0	1.3
7	.0	.0	1.7	1.7	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.5	11.9	1.7	.0	.0	19.1	.0	.0	3.4	.0	.0	.0	3.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER

AREA 0020 TRISTAN DA CUNHA GROUP
37.55 10.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	3.0	3.4	.0	.0	.0	6.4	.0	2.1	.0	.0	.0	.0	2.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.4	.0	.0	.0	2.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0	.0	1.7
10-11	.0	1.7	.0	1.3	.0	.0	3.0	.0	.0	.0	2.1	.0	.0	2.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.4	3.4	1.3	.0	.0	11.0	.0	4.2	.8	3.8	.0	.0	8.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	1.3	.0	.0	.0	1.3	.0	.4	.0	1.3	.0	.0	.4	.4
3-4	1.3	4.7	.0	.0	.0	.0	5.9	3.8	3.8	2.1	.0	.0	.0	9.7	9.7
5-6	.0	2.5	6.4	.0	.0	.0	8.9	.0	.8	6.8	.0	.0	.0	7.6	7.6
7	.0	.0	4.2	.0	.0	.0	4.2	.0	.0	12.7	3.4	.0	.0	16.1	16.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.7	.0	.0	1.7	.0	.4	.0	.0	.0	.0	.4	.4
12	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.4	.0	.0	.4	.4
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	7.2	11.9	3.0	.0	.0	23.3	3.8	5.5	21.6	3.8	.0	.0	34.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.7	3.3	.0	.0	.0	.0	5.0	5.0
1-2	.0	1.7	3.3	.0	.0	.0	5.0	5.0
3-4	.0	13.3	6.7	.0	.0	.0	25.0	25.0
5-6	.0	6.7	23.3	.0	.0	.0	30.0	30.0
7	.0	.0	18.3	5.0	.0	.0	23.3	23.3
8-9	.0	.0	.0	1.7	.0	.0	1.7	1.7
10-11	.0	3.3	.0	5.0	.0	.0	8.3	8.3
12	.0	.0	.0	1.7	.0	.0	1.7	1.7
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.7	28.3	51.7	13.3	.0	.0	100.0	60

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	15.1	6.8	4.1	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
6-7	.0	.0	4.1	20.5	9.6	4.1	1.4	.0	4.1	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	33	7
8-9	.0	.0	1.4	2.7	4.1	2.7	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
10-11	.0	.0	1.4	.0	.0	1.4	1.4	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	5	13
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.0	1.4	1.4	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
TOTAL	0	1	17	23	13	6	3	2	6	0	1	0	1	0	0	0	0	0	0	73	7
PCT	.0	1.4	23.3	31.5	17.8	8.2	4.1	2.7	8.2	.0	1.4	.0	1.4	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	11.6	4.5	8.4	.0	.0	.0	.0	24.5	.0	.0	2.6	.0	.0	.0	72.9
NE	20.7	.0	6.9	.0	.0	.0	.0	27.6	.0	.0	.0	.0	.0	.0	72.4
E	.0	.0	4.0	.0	.0	.0	.0	4.0	.0	.0	.0	.0	.0	.0	96.0
SE	.0	.0	12.5	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	87.5
S	11.1	.0	22.2	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
SW	4.8	2.4	1.8	.0	.0	.0	.0	8.3	2.4	.0	2.4	2.4	.0	.0	84.5
W	6.7	.0	4.1	.0	.0	.0	.0	9.7	7.5	.0	.0	.0	.0	.0	82.8
NW	19.7	.7	2.2	.0	.0	.0	.0	22.6	2.9	.0	.0	.0	.0	.0	74.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	9.5	1.3	5.2	.0	.0	.0	.0	15.6	3.0	.0	.9	.4	.0	.0	80.1
TOT OBS:	291														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 06 TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SHOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	10.2	1.7	6.8	.0	.0	.0	.0	18.6	.0	.0	1.7	.0	.0	.0	79.7
06009	8.3	2.8	2.8	.0	.0	.0	.0	12.5	8.3	.0	1.4	.0	.0	.0	77.8
12015	10.0	1.7	5.0	.0	.0	.0	.0	16.7	1.7	.0	.0	1.7	.0	.0	80.0
18021	10.2	1.7	5.1	.0	.0	.0	.0	16.9	.0	.0	.0	.0	.0	.0	83.1
TOT PCT	9.6	2.0	4.8	.0	.0	.0	.0	16.0	2.8	.0	.8	.4	.0	.0	80.0
TOT OBS:	250														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.4	1.6	6.5	5.9	1.8	.3		16.4	21.7		15.9	16.7	15.8	14.8	18.0	26.9	15.8	15.1
NE	.5	2.2	3.6	3.7	1.4	.3		11.7	21.1		10.8	25.0	10.4	12.9	12.8	23.1	7.8	12.9
E	.4	1.5	1.3	1.2	.0	.1		4.6	15.1		4.0	.0	5.1	7.0	3.6	11.5	4.7	4.4
SE	.3	1.3	1.4	.8	.2	.0		4.0	15.1		5.2	.0	3.7	2.3	3.9	.0	3.4	6.3
S	.6	2.0	3.0	2.3	.7	.2		8.8	18.1		10.2	8.3	9.6	7.0	7.7	.0	6.6	12.6
SW	.1	3.7	6.0	5.2	.9	.2		16.0	18.7		14.3	16.7	17.2	17.6	14.4	7.7	17.0	18.2
W	.3	3.7	5.4	5.5	1.4	.1		20.5	18.8		21.6	11.1	21.4	17.2	22.0	7.7	22.7	16.7
NW	.3	2.2	5.6	6.0	1.8	.3		16.3	21.4		13.8	22.2	14.5	18.8	17.2	23.1	20.8	11.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7							1.7	.0		4.2	.0	2.2	2.3	.3	.0	1.3	1.9
TOT OBS	58	230	465	385	104	18	1260		19.2		192	18	224	128	366	13	160	159
TOT PCT	4.6	18.3	36.9	30.6	8.3	1.4	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	06	12
N	.8	4.0	6.9	3.8	.8			16.4	21.7		16.0	15.5	18.3	15.4
NE	1.1	3.5	3.6	2.6	1.0			11.7	21.1		12.0	11.3	13.2	10.3
E	1.0	1.6	1.7	.2	.1			4.6	15.1		3.7	5.8	3.9	4.5
SE	1.1	1.1	1.3	.6	.0			4.0	15.1		4.8	3.2	3.8	4.9
S	1.2	2.8	3.1	1.3	.3			8.8	18.1		10.0	8.7	7.5	9.6
SW	1.2	5.3	6.6	2.5	.3			16.0	18.7		14.5	17.3	14.2	17.6
W	1.4	6.2	9.1	3.5	.3			20.5	18.8		20.7	19.9	21.5	19.7
NW	1.1	4.0	7.1	3.3	.8			16.3	21.4		14.5	16.1	17.4	16.4
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0
CALM	1.7							1.7	.0		3.8	2.3	.3	1.6
TOT OBS	136	360	496	223	45	1260		19.2			210	352	379	319
TOT PCT	10.8	28.6	39.4	17.7	3.6	100.0					100.0	100.0	100.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00603	3.8	3.8	17.1	33.8	30.0	10.0	1.4	19.3	100.0	210
06609	2.3	2.6	17.3	36.9	29.8	9.7	1.4	19.5	100.0	352
12615	.3	2.1	19.3	37.7	31.9	7.4	1.3	19.4	100.0	379
18621	1.6	3.4	18.8	37.9	30.1	6.6	1.6	18.8	100.0	319
TOT	22	36	230	465	385	104	18	19.2		1260
PCT	1.7	2.9	18.3	36.9	30.6	8.3	1.4	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.4	1.2	3.7	9.4		6.6
NE	.0	1.0	2.1	2.6		6.6
E	.0	.0	2.1	2.9		7.0
SE	.0	.0	1.7	.7		6.8
S	.4	.8	1.5	2.6		6.4
SW	2.0	5.2	6.9	3.7		5.2
W	2.7	6.4	14.4	6.8		5.4
NW	1.5	1.5	3.2	8.9		6.4
VAR	.0	.0	.0	.0		.0
CALM	.5	.5	.0	1.4		5.4
TOT OBS	18	35	75	82	210	5.9
TOT PCT	8.6	16.7	35.7	39.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.5	.0	.0	5.0	3.1	1.0	.0	.0	.0	.5	5.7	
NE	.0	.0	.5	.7	.4	2.0	.0	.0	.0	.0	2.1	
E	.0	.0	.0	1.3	2.9	.4	.0	.0	.0	.0	.5	
SE	.0	.0	.5	.0	.8	.5	.0	.0	.0	.0	.6	
S	.0	.0	.0	.0	1.5	.8	.0	.0	.0	.0	3.0	
SW	.5	.0	.2	1.7	3.8	1.5	.5	.0	.0	.0	9.6	
W	.0	.0	2.1	4.8	5.2	4.3	1.2	.0	.0	.0	12.7	
NW	1.0	.0	1.0	2.7	2.3	1.0	.2	.0	.0	1.0	6.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.5	1.0	
TOT OBS	4	0	9	34	44	24	4	0	0	4	87	210
TOT PCT	1.9	.0	4.3	16.2	21.0	11.4	1.9	.0	.0	1.9	41.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)		VSBY (NM)		VSBY (NM)		VSBY (NM)		VSBY (NM)	
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0		
= OR >6500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8		
= OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8		
= OR >3500	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4		
= OR >2000	14.6	15.5	15.5	15.5	15.5	15.5	15.5	15.5		
= OR >1000	31.0	35.4	36.7	36.7	36.7	36.7	36.7	36.7		
= OR >600	39.4	47.8	50.4	53.1	53.1	53.1	53.1	53.1		
= OR >300	39.8	50.0	53.5	57.1	57.5	57.5	57.5	57.5		
= OR >150	39.8	50.0	54.0	57.5	58.0	58.0	58.0	58.0		
= OR >0	40.7	51.3	55.3	59.3	59.7	59.7	60.6	60.6		
TOTAL	92	116	125	134	135	135	137	137		

TOTAL NUMBER OF OBS: 226

PCT FREQ NH <5/8: 39.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.3	6.4	6.9	11.6	9.0	6.4	13.7	10.3	31.3	233

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

OCTURER

AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4
	TOT %	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9
1<2	PCP	1.8	.4	.0	.0	.0	.0	.0	.8	.0	.0	3.0	3.0
	NO PCP	.3	.0	.0	.0	.0	.1	.3	.5	.0	.0	1.3	1.3
	TOT %	2.2	.4	.0	.0	.0	.1	.3	1.3	.0	.0	4.3	4.3
2<5	PCP	1.5	.9	.2	.0	.4	.0	.0	.0	.0	.0	3.0	3.0
	NO PCP	.8	.0	.0	.0	.0	.4	.1	.1	.0	.0	1.3	1.3
	TOT %	2.3	.9	.2	.0	.4	.0	.4	.1	.0	.0	4.3	4.3
5<10	PCP	.3	.0	.0	.2	.9	.3	2.2	1.7	.0	.0	5.6	5.6
	NO PCP	3.4	.6	1.1	.4	.2	1.3	2.3	1.5	.0	.0	10.8	10.8
	TOT %	3.7	.6	1.1	.6	1.1	1.6	4.4	3.2	.0	.0	16.5	16.5
10+	PCP	.4	.4	.0	.0	.3	1.2	.6	.0	.0	.0	3.0	3.0
	NO PCP	8.2	3.9	4.1	1.1	3.0	14.8	23.1	9.3	.0	.0	70.6	70.6
	TOT %	8.7	4.3	4.1	1.1	3.4	16.0	23.7	9.3	.0	.0	73.6	73.6
TOT OBS													231
TOT PCT		16.8	6.3	5.4	1.7	4.9	18.2	28.9	14.8	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4	.4
	TOT %	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8	.8
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	2.1	.4	.0	.0	.0	.1	.3	1.2	.0	.0	4.1	4.1
	TOT %	2.1	.4	.0	.0	.0	.1	.3	1.2	.0	.0	4.1	4.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	.4
	11-21	.9	.6	.0	.0	.0	.0	.0	.1	.0	.0	1.6	1.6
	22+	1.2	.2	.2	.0	.4	.0	.4	.0	.0	.0	2.3	2.3
	TOT %	2.2	.8	.2	.0	.4	.4	.4	.1	.0	.0	4.3	4.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.4	.0	.0	.0	.8	.4	.9	.7	.0	.0	3.3	3.3
	11-21	1.5	.4	.0	.0	.0	.8	3.2	1.0	.0	.0	7.0	7.0
	22+	1.5	.2	1.0	.6	.6	.5	1.5	1.3	.0	.0	7.4	7.4
	TOT %	3.5	.6	1.0	.6	1.4	1.7	5.7	3.1	.0	.0	17.7	17.7
10+	0-3	.4	.0	.0	.0	.0	.3	.5	.0	3.7	.0	4.9	4.9
	4-10	4.1	2.7	1.1	1.3	1.3	5.1	8.0	2.6	.0	.0	26.3	26.3
	11-21	3.4	1.3	1.7	.0	1.5	4.9	8.1	3.2	.0	.0	24.3	24.3
	22+	1.1	.1	1.0	.1	.3	5.1	6.1	3.0	.0	.0	16.9	16.9
	TOT %	9.1	4.1	3.9	1.4	3.2	15.2	22.5	9.3	.0	3.7	72.4	72.4
TOT OBS													243
TOT PCT		16.8	6.0	5.1	2.1	5.0	17.9	28.9	14.5	.0	3.7	100.0	

OCTOBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1834-1975

AREA 0020, TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <3/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <3/8 ANY HGT	TOTAL OBS
00003	1.8	.0	3.6	14.3	26.8	7.1	1.8	.0	.0	1.8	57.1	42.9	56
06009	4.6	.0	4.6	6.2	27.7	16.9	3.1	.0	.0	3.1	66.2	33.8	65
12015	.0	1.9	7.5	26.4	17.0	9.4	1.9	.0	.0	.0	64.2	35.8	53
18021	3.8	.0	1.9	20.8	11.3	11.3	3.8	.0	.0	1.9	54.7	45.3	53
TOT	6	1	10	37	48	26	6	0	0	4	138	89	227
PCT	2.6	.4	4.4	16.3	21.1	11.5	2.6	.0	.0	1.8	60.8	39.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	6.5	4.3	22.6	66.1	62
06009	2.6	.0	1.3	5.3	14.5	76.3	76
12015	.0	.0	4.8	6.3	14.3	74.6	63
18021	.0	3.3	3.3	4.9	16.4	72.1	61
TOT	2	2	10	14	44	190	262
PCT	.8	.8	3.8	5.3	16.8	72.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <30YD	<600 <1	<1000 <5	1000+ AND 5+	NH <3/8 AND 5+	TOTAL OBS
00003	1.8	5.4	21.4	35.7	42.9	56
06009	4.7	9.4	17.2	48.4	34.4	64
12015	.0	9.4	35.8	28.3	35.8	53
18021	3.8	5.7	28.3	26.4	45.3	53
TOT	6	17	57	80	89	226
PCT	2.7	7.5	25.2	35.4	39.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
65/69	.0	.0	.0	.0	.0	2.0	.5	.0	5	2.5
60/64	.0	.0	.5	1.0	1.0	2.0	3.4	6.4	29	14.5
55/59	.0	.0	.0	2.0	6.9	9.4	17.7	11.8	97	47.8
50/54	.0	.0	.0	.0	6.9	9.4	9.4	3.4	59	29.1
45/49	.0	.0	.0	.0	.5	1.0	3.4	1.5	13	6.4
TOTAL	0	0	1	6	31	48	70	47	203	100.0
PCT	.0	.0	.5	3.0	15.3	23.6	34.5	23.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.9	.0	.0	.0	.0	.0	1.0	.6	.0	.0
5.5	.7	.7	.1	.0	.6	3.6	3.0	.0	.0
8.1	3.8	1.4	.0	.7	6.3	16.9	10.1	.0	.5
1.5	1.2	2.2	.6	3.2	8.5	9.0	.9	.0	2.0
.5	.6	1.4	1.0	.9	2.1	.0	.0	.0	.0
16.5	6.4	5.7	1.7	4.8	17.5	30.4	14.5	.0	2.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	64	60	54	45	44	44	53.7	205
06009	67	62	61	55	47	43	42	54.4	350
12015	66	65	65	57	49	47	41	56.4	378
18021	66	64	61	56	48	45	44	55.4	316
TOT	68	64	62	55	48	44	41	55.1	1249

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	7.7	23.1	30.8	38.5	84	52
06009	.0	1.6	15.9	27.0	30.2	25.4	62	65
12015	.0	7.7	23.1	25.0	32.7	11.5	76	55
18021	.0	3.8	14.5	17.0	41.5	18.9	80	53
TOT	0	7	36	51	74	52	81	220

OCTOBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	45 48	49 52	53 56	57 60	61 64	65 68	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.5	1.5	4	.0	2.0
7/8	.0	.0	.0	.5	1.0	.5	4	.0	2.0
6	.0	.0	.0	.0	2.9	.0	6	.0	2.9
5	.0	.0	.0	2.5	1.0	.0	7	.0	3.4
4	.0	.0	.5	3.9	2.5	.0	14	.0	6.9
3	.0	.0	.5	7.4	.5	.0	10	.0	8.3
2	.0	.0	3.9	7.8	.0	.0	24	.0	11.8
1	.0	.5	5.9	5.9	.0	.0	25	.5	11.8
0	1.0	1.0	7.4	2.5	.5	.0	25	.0	12.3
-1	.5	.5	7.4	1.5	.0	.0	20	.0	9.8
-2	.0	2.0	6.9	.0	.0	.0	18	.5	8.3
-3	.5	4.9	2.0	.0	.0	.5	16	.0	7.8
-4	1.5	2.5	1.0	.0	.0	.0	10	.0	4.9
-5	.5	2.0	.5	.0	.0	.0	6	.0	2.9
-6	.0	1.0	.0	.0	.0	.0	2	.0	1.0
-7/-8	1.0	1.5	.0	.0	.0	.0	5	.0	2.5
-9/-10	.5	.0	.0	.0	.0	.0	1	.0	.5
TOTAL	11		73		18		204	2	202
PCT	5.4	19.7	35.8	31.9	8.8	2.5	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.7	.0	.0	.0	.7	.0	.0	.2	.0	.0	.0	.2
1-2	.0	1.7	3.7	.0	.0	.0	5.4	.0	1.0	1.2	.0	.0	.0	2.2
3-4	.0	.0	1.0	.0	.0	.0	1.0	.0	1.2	1.0	.0	.0	.0	2.2
5-6	.0	1.0	2.5	2.0	.0	.0	5.4	.0	.0	2.2	.2	.0	.0	2.5
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	8.8	2.9	.0	.0	14.5	.0	2.2	4.9	.2	.0	.0	7.4

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
1-2	.0	1.0	.7	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	1.0	1.7	.7	.0	.0	3.4	.0	.0	1.0	.5	.0	.0	1.5
7	.0	.0	.7	1.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	1.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.7	3.2	2.7	.0	.0	8.6	.0	.2	1.0	1.5	.0	.0	2.7

PERIOD: (OVER-ALL) 1963-1975

OCTOBER

ARFA 0020 TRISTAN DA CUNHA GROUP
37.75 10.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.0	.0	.0	.0	.0	1.0	.0	.0	1.0	.0	.0	.0	.0	1.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7	.0	.2	1.2	1.0	.0	.0	.0	2.5	.0
5-6	.0	.7	.7	1.5	.0	.0	2.9	.0	1.5	3.2	.5	.0	.0	.0	5.1	.0
7	.0	.0	.7	1.0	.0	.0	1.7	.0	1.0	1.5	.0	.0	.0	.0	2.5	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	1.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.2	1.5	2.5	.0	.0	7.1	.0	2.7	6.9	1.5	1.0	.0	12.0		

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	2.9	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	1.0	.0	.0	.0	1.7	.0	1.5	1.2	.0	.0	.0	.0	2.7	.0
3-4	.0	1.0	.7	.0	.0	.0	1.7	.0	.0	1.0	2.9	.0	.0	.0	3.9	.0
5-6	.7	2.5	5.9	3.9	.0	.0	13.0	.2	2.2	1.5	3.4	.0	.0	.0	7.4	.0
7	.0	.0	3.7	2.0	1.0	.0	6.6	.0	.0	2.0	.0	.0	.0	.0	2.0	.0
8-9	.0	1.0	.0	.7	1.0	.0	2.7	.0	.0	.0	.2	.0	.0	.0	.2	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	8.1	11.3	6.6	2.0	.0	26.7	.2	3.7	5.6	6.6	.0	.0	16.2	97.1	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.8	3.8	1.0	.0	.0	.0	8.6	
1-2	1.0	6.7	8.6	.0	.0	.0	16.2	
3-4	.0	3.8	4.8	3.8	.0	.0	12.4	
5-6	1.0	9.5	18.1	12.4	.0	.0	41.0	
7	.0	1.0	9.5	3.8	1.0	.0	15.2	
8-9	.0	1.0	.0	1.9	1.9	.0	4.8	
10-11	.0	.0	.0	1.9	.0	.0	1.9	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.7	25.1	41.9	23.8	2.9	.0	100.0	105

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.7	4.5	8.2	5.2	2.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	6
6-7	.0	5.2	5.2	17.2	6.0	3.0	3.0	.7	3.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	59	6
8-9	.0	2.2	.7	4.5	1.5	.7	.0	.7	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	7
10-11	.0	.0	1.5	.0	.0	.7	1.5	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	9
12-13	.0	.0	2.2	2.2	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	.0	.7	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDET	1.5	1.5	1.5	1.5	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
TOTAL	2	13	21	45	23	9	9	3	7	1	0	0	0	1	0	0	0	0	0	134	6
PCT	1.5	9.7	15.7	33.6	17.2	6.7	6.7	2.2	5.2	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

NOVEMBER

AREA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	10.5	.0	10.5	.0	.0	.0	.0	21.1	.0	.0	15.8	.0	.0	.0	63.2
NE	.0	8.2	28.5	.0	.0	.0	.0	34.7	.0	.0	8.2	.0	.0	.0	49.0
E	.0	.0	.0	.0	.0	.0	.0	.0	8.2	.0	8.2	.0	.0	.0	83.7
SE	12.1	.0	24.2	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
S	.0	.0	10.5	.0	.0	.0	.0	10.5	4.7	.0	.0	.0	.0	.0	84.9
SW	3.8	.0	10.4	.0	.0	.0	.0	14.2	.0	.0	.0	.0	.0	.0	85.8
W	.0	.0	.0	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	96.8
NW	9.9	.0	5.0	.0	.0	.0	.0	14.9	1.0	.0	10.9	.0	.0	.0	73.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	22.2	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
TOT PCT	5.2	.7	8.5	.0	.0	.0	.0	14.4	2.6	.0	4.6	.0	.0	.0	78.4
TOT OBS:	153														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	8.3	.0	11.1	.0	.0	.0	.0	19.4	8.3	.0	2.8	.0	.0	.0	69.4
06009	7.8	1.6	6.3	.0	.0	.0	.0	15.6	1.6	.0	6.3	.0	.0	.0	76.6
12015	3.4	.0	6.9	.0	.0	.0	.0	10.3	3.4	.0	3.4	.0	.0	.0	82.8
18021	.0	.0	12.1	.0	.0	.0	.0	12.1	.0	.0	6.1	.0	.0	.0	81.8
TOT PCT	5.6	.6	8.6	.0	.0	.0	.0	14.8	3.1	.0	4.9	.0	.0	.0	77.2
TOT OBS:	162														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.8	2.7	8.8	6.1	1.3	.2		19.9	19.1		19.3	12.0	20.5	22.3	19.0	17.5	20.3	20.4
NE	.5	2.6	5.9	3.4	.4	.1		12.9	17.5		15.4	12.0	13.2	13.6	13.1	15.0	10.3	11.4
E	.2	1.9	1.4	.7	.1	*		4.3	13.1		3.9	4.0	4.1	4.1	4.2	10.0	4.2	5.2
SE	.3	1.3	1.3	.8	.2	*		3.9	15.1		3.2	2.0	4.0	2.7	4.7	2.5	4.2	4.1
S	.2	2.0	3.2	1.2	.2	.0		6.9	14.8		7.3	2.0	6.9	7.0	7.9	.0	8.3	4.1
SW	.3	2.8	4.8	3.3	.6	.1		11.8	17.8		11.5	10.0	11.7	13.3	12.1	20.0	10.2	11.4
W	.9	3.9	6.0	3.8	1.1	.1		15.3	17.7		13.8	22.0	14.7	13.8	15.5	5.0	16.9	17.2
NW	.5	5.8	10.0	6.0	1.3	.0		23.5	17.4		24.8	36.0	22.2	22.6	22.1	30.0	24.1	25.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0		.8	.0	2.7	.5	1.5	.0	1.5	.9
TOT OBS	78	398	717	438	90	9	1730		17.2		245	25	262	206	536	20	203	233
TOT PCT	4.5	23.0	41.4	25.3	5.2	.5		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	03	06	12	18
N	1.7	5.7	8.8	3.2	.5			19.9	19.1		18.6	21.3	19.0	20.4	
NE	1.3	4.4	5.2	2.0	.1			12.9	17.5		15.1	13.4	13.1	10.9	
E	1.1	1.8	1.2	.2	*			4.3	13.1		3.9	4.1	4.4	4.7	
SE	1.0	1.4	1.0	.2	.2			3.9	15.1		3.1	3.4	4.6	4.1	
S	1.3	2.7	2.5	.4	*			6.9	14.8		6.9	6.9	7.6	6.0	
SW	1.1	4.6	4.2	1.8	.2			11.8	17.8		11.4	12.4	12.4	10.8	
W	2.0	5.2	5.3	2.4	.3			15.3	17.7		14.5	14.3	15.2	17.0	
NW	2.5	8.5	8.9	3.3	.3			23.5	17.4		25.8	22.4	22.3	24.9	
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
CALM	1.3							1.3	.0		.7	1.7	1.4	1.1	
TOT OBS	229	594	643	233	31	1730			17.2		270	468	556	436	
TOT PCT	13.2	34.3	37.2	13.5	1.8			100.0			100.0	100.0	100.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND DIR	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.7	2.6	25.6	39.3	27.8	3.7	.4	17.1	100.0	270
06009	1.7	3.0	23.5	42.1	24.1	4.7	.2	16.7	100.0	468
12015	1.4	3.1	21.6	40.6	25.7	6.7	.9	17.6	100.0	556
18021	1.1	3.2	22.7	43.1	24.5	4.8	.5	17.2	100.0	436
TOT	23	55	398	717	438	90	9	17.2		1730
PCT	1.3	3.2	23.0	41.4	25.3	5.2	.5	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	1.3	1.7	5.9		6.8
NE	.0	.2	1.7	5.2		7.6
E	.0	.0	1.5	3.9		7.4
SE	.0	.0	2.0	5.2		7.6
S	1.3	4.1	2.6	5.0		5.7
SW	1.7	5.7	5.0	4.6		5.2
W	2.6	2.8	7.2	5.9		5.4
NW	2.2	.7	3.5	13.0		6.8
VAR	.0	.0	.0	.0		.0
CALM	.0	.9	.0	2.6		7.0
TOT OBS	9	18	29	59	115	6.3
TOT PCT	7.8	15.7	25.2	51.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	NH <5/8 TOTAL OBS
N	.7	.0	.0	2.6	1.3	1.3	.0	.0	.0	.0	3.0
NE	.0	.0	.0	.0	3.7	.2	1.7	.0	.0	.2	1.3
E	.9	.0	.0	.0	2.6	.0	.0	.0	.0	.7	1.3
SE	.0	.0	.0	1.7	3.5	.9	.0	.9	.0	.0	.2
S	.0	.0	.7	.0	5.2	.0	.0	.0	.0	.0	7.2
SW	.0	.0	.2	2.0	2.8	2.2	.9	.4	.0	.9	7.6
W	.0	.0	.0	2.0	2.4	2.2	.0	.4	.9	.0	10.7
NW	.2	.0	.9	5.7	2.0	1.1	3.5	.0	.0	.9	5.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.9	.9	.9	.0	.0	.0	.0	.9
TOT OBS	2	0	2	17	28	10	7	2	1	3	43
TOT PCT	1.7	.0	1.7	14.8	24.3	8.7	6.1	1.7	.9	2.6	37.4

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >6500	2.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
OR >5000	3.4	5.1	5.1	5.1	5.1	5.1	5.1	5.1
OR >3500	5.9	10.2	10.2	10.2	10.2	10.2	11.0	11.0
OR >2000	11.9	18.6	18.6	18.6	18.6	18.6	19.5	19.5
OR >1000	30.5	40.7	42.4	43.2	43.2	43.2	44.1	44.1
OR >600	37.3	52.5	57.6	58.5	58.5	58.5	59.3	59.3
OR >300	37.3	52.5	59.3	60.2	60.2	60.2	61.0	61.0
OR >150	37.3	52.5	59.3	60.2	60.2	60.2	61.0	61.0
OR >0	37.3	52.5	59.3	60.2	60.2	61.0	62.7	62.7
TOTAL	44	62	70	71	71	72	74	74

TOTAL NUMBER OF OBS: 118

PCT FREQ NH <5/8: 37.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
	3.3	6.6	10.7	8.3	7.4	5.0	10.7	6.6	39.7	121

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

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37.95 10.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.5	.0	.7	.0	.0	.0	.0	.8	.0	.0	.0	2.0
	TOT %	.5	.0	.7	.0	.0	.0	.0	.8	.0	.0	.0	2.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	1.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.3
	TOT %	1.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.3
1<2	PCP	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
	NO PCP	.0	.7	.0	.0	.0	.0	.0	.7	.0	.0	.0	1.3
	TOT %	.0	1.3	.0	.0	.0	.0	.0	.7	.0	.0	.0	2.0
2<5	PCP	.0	1.3	.0	.7	.8	1.1	.0	1.3	.0	1.3	6.5	
	NO PCP	1.1	.0	.7	.0	.0	.0	.0	.2	.0	.0	.0	2.6
	TOT %	1.1	1.3	.7	1.3	.8	1.1	.0	1.5	.0	1.3	9.2	
5<10	PCP	1.0	.7	.0	.0	.0	.7	.0	.3	.0	.0	.0	2.6
	NO PCP	.5	.7	1.3	.0	3.3	5.1	3.3	2.9	.0	1.3	18.3	
	TOT %	1.5	1.3	1.3	.0	3.3	5.7	3.3	3.3	.0	1.3	20.9	
10+	PCP	1.0	.2	.0	1.3	.7	.7	.0	.8	.0	.0	.0	4.6
	NO PCP	4.2	3.9	5.4	2.8	9.3	9.8	12.3	9.2	.0	3.3	60.1	
	TOT %	5.2	4.1	5.4	4.1	10.0	10.5	12.3	10.0	.0	3.3	64.7	
TOT OBS													153
TOT PCT		9.3	8.0	8.0	5.4	14.1	17.3	15.5	16.5	.0	5.9	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	1.1
	11-21	.4	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.6
	22+	1.1	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	2.3
	TOT %	1.6	.0	.6	.0	.0	.0	.0	1.8	.0	.0	.0	4.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.9	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6
	11-21	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	1.1	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.7
2<5	0-3	.6	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.7	
	4-10	.3	.0	.0	.0	.0	1.1	.0	1.4	.0	.0	.0	2.8
	11-21	.4	1.1	.6	.6	.7	.4	.0	.7	.0	.0	.0	4.5
	22+	1.1	.0	.0	.6	.0	.0	.0	1.7	.0	.0	.0	3.4
	TOT %	2.4	1.1	.6	1.1	.7	1.6	.0	3.8	.0	1.1	12.5	
5<10	0-3	.0	.0	.0	.0	.0	.0	.6	.0	.0	1.1	1.7	
	4-10	.0	.6	.0	.0	.9	1.7	.9	.6	.0	.0	.0	4.5
	11-21	.0	.6	1.1	.0	2.0	3.8	1.4	1.8	.0	.0	.0	10.8
	22+	1.3	.0	.0	.0	.6	.6	.6	1.6	.0	.0	.0	4.0
	TOT %	1.3	1.1	1.1	.0	2.8	6.1	3.4	4.0	.0	1.1	21.0	
10+	0-3	1.0	.7	.0	.0	.0	.6	.6	.0	.0	3.4	6.3	
	4-10	1.4	2.8	3.6	.1	6.0	2.7	2.8	6.1	.0	.0	.0	25.6
	11-21	1.7	.0	1.1	2.8	2.7	3.7	4.3	4.1	.0	.0	.0	20.5
	22+	.4	.0	.0	.6	.0	2.1	3.3	1.0	.0	.0	.0	7.4
	TOT %	4.5	3.6	4.7	3.6	8.7	9.1	10.9	11.2	.0	3.4	39.7	
TOT OBS													176
TOT PCT		10.7	7.0	7.0	4.7	12.2	16.8	14.3	21.7	.0	5.7	100.0	

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PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
37.9S 10.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	21.4	21.4	7.1	3.6	3.6	.0	.0	57.1	42.9	28
06009	4.7	.0	2.3	11.6	30.2	9.3	2.3	.0	.0	7.0	67.4	32.6	43
12015	.0	.0	.0	16.7	20.8	8.3	8.3	4.2	4.2	.0	62.5	37.5	24
18021	.0	.0	4.3	13.0	21.7	8.7	13.0	.0	.0	.0	60.9	39.1	23
TOT	2	0	2	18	29	10	7	2	1	3	74	44	118
PCT	1.7	.0	1.7	15.3	24.6	8.5	5.9	1.7	.8	2.5	62.7	37.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	2.6	.0	15.4	25.6	56.4	39
06009	5.6	.0	2.8	15.3	19.4	56.9	72
12015	2.9	2.9	.0	5.9	20.6	67.6	34
18021	5.0	.0	2.5	12.5	22.5	57.5	40
TOT	7	2	3	24	40	109	185
PCT	3.8	1.1	1.6	13.0	21.6	58.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	25.0	32.1	42.9	28
06009	4.7	7.0	20.9	46.5	32.6	43
12015	.0	.0	16.7	45.8	37.5	24
18021	.0	8.7	26.1	34.8	39.1	23
TOT	2	5	26	48	44	118
PCT	1.7	4.2	22.0	40.7	37.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.9	.0	.0	.0	1	.9
69/69	.0	.0	.0	.0	.0	1.7	4.3	1.7	9	7.8
60/64	.0	.0	.9	.0	.9	6.1	12.2	16.5	42	36.5
59/59	.0	.0	.9	2.6	10.4	10.4	12.2	10.4	54	47.0
50/54	.0	.0	.0	.0	1.7	3.5	1.7	.9	9	7.8
TOTAL	0	0	2	3	16	25	35	34	115	100.0
PCT	.0	.0	1.7	2.6	13.9	21.7	30.4	29.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.0	.0	.0	.9	.0	.0	.0
.9	.0	.9	.0	1.7	.0	1.3	3.0	.0	.0
4.6	5.2	1.7	.9	3.3	4.3	4.8	10.9	.0	.9
4.1	4.6	3.7	2.8	3.3	10.0	9.3	5.7	.0	3.5
.0	.0	.0	3.5	2.6	1.1	.7	.0	.0	.0
9.6	9.8	6.3	7.2	10.9	15.4	17.0	19.6	.0	4.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	68	63	62	57	50	49	48	56.8	248
06009	69	66	63	57	50	47	45	57.0	443
12015	73	69	65	58	51	47	46	58.4	540
18021	75	69	64	58	52	50	47	58.2	397
TOT	75	68	64	58	51	48	45	57.7	1628

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	6.7	6.7	10.0	33.3	43.3	84	30
06009	.0	9.1	11.4	31.8	22.7	25.0	78	44
12015	.0	.0	22.7	22.7	27.3	27.3	79	22
18021	.0	.0	17.4	13.0	43.5	26.1	82	23
TOT	0	6	16	25	36	36	80	119

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PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1854-1975

TABLE 17

APEA 0020 TRISTAN DA CUNHA GROUP
37.95 10.4WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.0	.8	1	.0	.8
7/8	.0	.0	.0	.0	.8	.0	1	.0	.8
6	.0	.0	.0	1.6	.8	.0	3	.0	2.4
5	.0	.0	1.6	.8	2.4	.0	6	.0	4.8
4	.0	.0	.8	2.4	.8	.0	5	.0	4.0
3	.8	.8	.8	4.8	.8	.0	10	.8	7.2
2	.0	.8	5.6	5.6	.0	.0	15	1.6	10.4
1	.0	3.2	8.8	2.4	.8	.0	19	.0	15.2
0	.0	4.0	8.8	1.6	.0	.0	18	2.4	12.0
-1	.8	.8	4.8	.0	.8	.0	9	.0	7.2
-2	1.6	8.8	2.4	.0	.0	.0	16	.0	12.8
-3	2.4	4.8	4.8	.0	.0	.0	15	.8	11.2
-4	.8	1.6	1.6	.0	.0	.0	5	.0	4.0
-5	.0	.8	.0	.0	.0	.0	1	.0	.8
-6	.0	.8	.0	.0	.0	.0	1	.0	.8
TOTAL	8	33	50	24	9	1	125	7	118
PCT	6.4	26.4	40.0	19.2	7.2	.8	100.0	5.6	94.4

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	1.9	.0	.0	.0	.0	.0	1.9	.6	.0	.0	.0	.0	.0	.6
5-6	.0	1.9	3.8	1.9	.0	.0	7.5	.0	.6	.0	.0	.0	.0	.6
7	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	1.9	.0	.0	.0	.0	1.9	.0	.6	.0	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	3.8	5.6	1.9	.0	.0	13.1	.6	1.3	.0	.0	.0	.0	1.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	2.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	5.0

PERIOD: (OVER-ALL) 1963-1975

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	4.4	.0	.0	.0	4.4	.0	.0	3.1	.0	.0	.0	3.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	2.5	5.0	1.3	.0	.0	8.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.4	.0	.0	.0	4.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.5	4.4	.0	.0	.0	6.9	.0	2.5	13.1	1.3	.0	.0	16.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	2.5	.0	.0	.0	.0	2.5	.0	2.5	.0	.0	.0	.0	2.5	.0
5-6	.0	.0	.0	3.8	.0	.0	3.8	.0	.0	8.8	.6	.0	.0	9.4	.0
7	.0	1.9	8.1	.0	.0	.0	10.0	.0	8.1	3.1	.0	.0	.0	11.3	.0
8-9	.0	.0	1.9	.0	.0	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	2.5	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	2.5	.0
13-16	.0	.0	.0	2.5	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.4	10.0	6.3	.0	.0	20.6	.0	10.6	11.9	5.6	.0	.0	28.1	92.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	7.5	.0	.0	.0	.0	.0	7.5	.0
1-2	.0	2.5	2.5	.0	.0	.0	5.0	.0
3-4	2.5	5.0	10.0	.0	.0	.0	17.5	.0
5-6	.0	5.0	17.5	7.5	.0	.0	30.0	.0
7	.0	10.0	17.5	.0	.0	.0	27.5	.0
8-9	.0	.0	2.5	.0	.0	.0	2.5	.0
10-11	.0	2.5	.0	2.5	.0	.0	5.0	.0
12	.0	.0	.0	2.5	.0	.0	2.5	.0
13-16	.0	.0	.0	2.5	.0	.0	2.5	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	10.0	25.0	50.0	15.0	.0	.0	100.0	40

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	4.0	5.0	4.0	2.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	4
6-7	.0	.0	8.9	13.9	15.8	5.9	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	6
8-9	.0	.0	1.0	3.0	4.0	2.0	4.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	8
10-11	.0	1.0	.0	.0	1.0	1.0	1.0	2.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	9
12-13	.0	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
>13	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
INDET	3.0	.0	.0	1.0	2.0	.0	1.0	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
TOTAL	3	5	15	23	25	11	9	5	5	0	0	0	0	0	0	0	0	0	0	101	6
PCT	3.0	5.0	14.9	22.8	24.8	10.9	8.9	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975AREA 0020 TRISTAN DA CUNHA GROUP
38.35 10.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.8	.0	11.5	.0	.0	.0	.0	19.2	5.1	.0	5.1	3.8	.0	.0	66.7
NE	4.0	.0	16.0	.0	.0	.0	.0	20.0	.0	.0	4.0	.0	.0	.0	76.0
E	.0	.0	36.4	.0	.0	.0	.0	36.4	.0	.0	27.3	.0	.0	.0	36.4
SE	13.8	.0	13.8	.0	.0	.0	.0	27.6	.0	.0	.0	.0	.0	.0	72.4
S	.0	.0	.0	.0	.0	.0	.0	.0	13.6	.0	.0	.0	.0	.0	86.4
SW	1.3	.0	.0	.0	.0	.0	.0	1.3	10.3	.0	.0	.0	.0	.0	88.3
W	16.0	.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
NW	10.9	.0	13.8	.0	.0	.0	.0	24.6	5.8	.0	2.9	.7	.0	.0	65.9
VAR	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	8.9	.0	7.4	.0	.0	.0	.0	15.6	5.2	.0	2.2	.7	.0	.0	76.3
TOT OBS:	135														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	9.5	.0	4.8	.0	.0	.0	.0	9.5	14.3	.0	4.8	.0	.0	.0	71.4
06009	5.5	.0	9.1	.0	.0	.0	.0	14.5	7.3	.0	1.8	.0	.0	.0	76.4
12015	7.1	.0	7.1	.0	.0	.0	.0	14.3	3.6	.0	3.6	.0	.0	.0	78.6
18021	14.7	.0	5.9	.0	.0	.0	.0	20.6	.0	.0	2.9	2.9	.0	.0	73.5
TOT PCT	8.7	.0	7.2	.0	.0	.0	.0	15.2	5.8	.0	2.9	.7	.0	.0	75.4
TOT OBS:	138														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.1	3.6	9.1	6.9	1.3	.1		21.2	19.1		20.4	18.8	22.3	23.3	20.7	20.0	19.2	21.9
NE	.1	3.2	4.2	2.8	.1	.1		10.5	16.2		10.5	6.3	8.8	11.3	10.1	14.0	12.9	10.2
E	.4	1.4	.4	.1	*	.0		2.4	8.9		2.9	.0	2.8	1.7	2.3	4.0	2.5	2.3
SE	.4	1.1	.4	.3	*	.0		2.2	10.0		1.3	1.6	1.2	1.9	2.8	4.0	3.0	2.3
S	.1	1.5	2.1	1.7	.4	.2		6.0	18.8		5.5	12.5	5.5	4.7	5.9	10.0	6.3	6.8
SW	.4	2.3	6.1	3.2	1.1	.1		13.2	18.5		14.6	15.6	11.5	12.5	14.0	14.0	13.2	12.7
W	.5	4.4	6.2	4.9	1.5	.1		19.6	18.1		20.6	20.3	20.0	21.8	18.1	12.0	20.0	19.5
NW	.2	4.8	12.2	5.9	1.1	.1		24.3	17.7		23.8	25.0	26.3	22.3	25.8	22.0	22.5	23.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0		.4	.0	1.5	.5	.4	.0	.5	.8
TOT OBS	50	379	725	435	92	11	1692		17.6		226	32	260	212	462	25	219	258
TOT PCT	3.0	22.4	42.8	25.7	5.4	.7		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	1.2	6.3	10.4	2.8	.4		21.2	19.1	20.2	22.8	20.6	20.6	
NE	1.3	3.9	4.1	1.1	.1		10.5	16.2	10.0	10.0	10.3	11.4	
E	1.0	1.0	.3	.1	.0		2.4	8.9	2.5	2.3	2.4	2.4	
SE	.9	.9	.3	*	*		2.2	10.0	1.4	1.5	2.8	2.6	
S	.7	2.1	2.3	.6	.4		6.0	18.8	6.4	5.1	6.1	6.6	
SW	1.5	3.7	5.6	2.0	.4		13.2	18.5	14.7	12.0	14.0	12.9	
W	1.9	7.1	7.2	2.7	.7		19.6	18.1	20.5	20.8	17.8	19.7	
NW	1.5	9.1	10.5	2.7	.5		24.3	17.7	23.9	24.5	23.6	23.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.7						.7	.0	.4	1.1	.4	.6	
TOT OBS	181	578	687	205	41	1692		17.6	258	472	487	475	
TOT PCT	10.7	34.2	40.6	12.1	2.4		100.0		100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
38.35 10.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOOR	CALM	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS	
		1-3	4-10	11-21	22-33					34-47
00603	.4	1.9	22.1	43.0	25.2	6.2	1.2	18.0	100.0	258
06609	1.1	2.8	23.7	39.6	26.7	5.1	1.1	17.6	100.0	472
12615	.4	2.5	21.4	45.0	24.8	5.7	.2	17.5	100.0	487
18621	.6	1.9	22.3	43.8	25.9	5.1	.4	17.6	100.0	475
TOT	11	39	379	725	435	92	11	17.6		1692
PCT	.7	2.3	22.4	42.8	25.7	5.4	.7	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	3.1	.9	.0	10.3		6.2
NE	4.1	.3	1.3	2.2		4.0
E	.0	.0	.0	.9		8.0
SE	1.6	.0	3.8	.0		5.2
S	.9	7.2	3.8	.0		4.1
SW	1.6	.3	8.8	5.9		6.6
W	5.0	4.7	1.3	6.3		4.5
NW	6.3	.3	5.0	14.4		5.9
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	18	11	19	32	80	5.4
TOT PCT	22.5	13.8	23.8	40.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	2.2	.0	1.3	2.8	.6	.9	1.3	.0	.0	.0	5.3	
NE	.6	.0	.0	1.3	.0	1.6	.0	.0	.0	.0	4.4	
E	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SE	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	2.8	
S	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	8.1	
SW	.0	.0	2.5	.3	2.5	1.3	2.5	1.9	.0	.0	5.6	
W	.0	.0	.0	2.2	1.3	.0	2.2	.6	.0	.0	10.9	
NW	.0	.0	.0	8.4	3.1	1.3	1.6	.0	.0	.0	11.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	3	0	3	12	7	8	6	2	0	0	39	80
TOT PCT	3.8	.0	3.8	15.0	8.8	10.0	7.5	2.5	.0	.0	48.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
= OR >3500	7.5	7.5	8.8	10.0	10.0	10.0	10.0	10.0
= OR >2000	12.8	16.3	18.8	20.0	20.0	20.0	20.0	20.0
= OR >1000	17.5	23.8	27.5	28.8	28.8	28.8	28.8	28.8
= OR >800	21.3	30.0	40.0	43.8	43.8	43.8	43.8	43.8
= OR >300	22.5	32.5	43.8	47.5	47.5	47.5	47.5	47.5
= OR >150	22.5	32.5	43.8	47.5	47.5	47.5	47.5	47.5
= OR >0	22.5	33.0	46.3	50.0	50.0	50.0	51.3	51.3
TOTAL	18	28	37	40	40	40	41	41

TOTAL NUMBER OF OBS: 80

PCT FREQ NH <5/8: 48.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	8 OBS	TOTAL OBS
12.8	10.5	9.3	8.1	5.8	8.1	2.3	8.1	31.4	3.5	86

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

APEA 0020 TRISTAN DA CUNHA GROUP
38.35 10.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
	TOT %	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	2.2	.0
	NO PCP	.6	.0	.0	.0	.0	.0	.0	.9	.0	.0	1.5	.0
	TOT %	.6	.7	.7	.7	.0	.0	.0	.9	.0	.0	3.7	.0
2<5	PCP	1.1	.0	.0	.0	.0	.0	1.3	3.5	.0	.0	5.9	.0
	NO PCP	.7	.0	.0	.0	2.0	.2	.7	4.4	.0	.0	8.1	.0
	TOT %	1.9	.0	.0	.0	2.0	.7	2.0	8.0	.0	.0	14.1	.0
5<10	PCP	1.7	.2	.0	.7	.0	.2	1.9	2.8	.0	.0	7.4	.0
	NO PCP	1.5	.4	.6	.0	4.3	4.3	4.6	2.2	.0	.0	17.8	.0
	TOT %	3.1	.6	.6	.7	4.3	4.4	6.5	5.0	.0	.0	25.2	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	8.1	3.3	.7	3.9	4.6	9.8	11.1	11.7	.0	3.0	56.3	.0
	TOT %	8.1	3.3	.7	3.9	4.6	9.8	11.1	11.7	.0	3.0	56.3	.0
TOT OBS													135
TOT PCT		14.4	4.6	2.0	5.4	10.9	14.4	19.6	25.6	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	1.3	.6	.0	.0	.0	.6	.0	.0	2.6	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.5	.6	.0	.0	.0	.0	.0	.2	.0	.0	1.3	.0
	TOT %	.5	.6	1.3	.6	.0	.0	.0	.8	.0	.0	3.9	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.0	.0	.6	.0	.0	.0	.0	2.3	.0	.0	3.9	.0
	11-21	.6	.0	.0	.0	.0	.0	1.8	2.1	.0	.0	4.5	.0
	22+	.6	.0	.0	.0	1.8	.2	.0	3.9	.0	.0	6.5	.0
	TOT %	2.2	.0	.6	.0	1.8	.2	1.8	8.3	.0	.0	14.9	.0
5<10	0-3	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.6	.0
	4-10	1.5	.5	.5	.0	1.3	1.0	3.2	3.1	.0	.0	11.0	.0
	11-21	.0	.0	.0	.6	1.1	2.9	2.3	.2	.0	.0	7.1	.0
	22+	1.0	.0	.0	.0	1.3	1.6	1.5	1.1	.0	.0	6.5	.0
	TOT %	2.8	.5	.5	.6	3.7	5.5	7.0	4.7	.0	.0	25.3	.0
10+	0-3	.6	.0	.6	.0	.0	.6	.6	.0	.0	2.6	5.2	.0
	4-10	3.9	1.3	.0	1.9	1.6	2.1	6.0	6.5	.0	.0	23.4	.0
	11-21	2.4	1.6	.0	1.3	.6	4.2	4.2	5.7	.0	.0	20.1	.0
	22+	.5	.0	.0	.2	1.8	2.6	.5	1.0	.0	.0	6.5	.0
	TOT %	7.5	2.9	.6	3.4	4.1	9.6	11.4	13.1	.0	2.6	55.2	.0
TOT OBS													154
TOT PCT		13.6	4.1	3.1	4.7	9.6	13.3	20.1	26.9	.0	2.6	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

AREA 0020 TRISTAN DA CUNHA GROUP
38.35 10.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	12.5	6.3	12.5	12.5	6.3	6.3	.0	.0	56.3	43.8	16
06009	4.8	.0	.0	5.5	14.3	9.5	4.8	.0	.0	.0	42.9	57.1	21
12015	4.5	.0	.0	18.2	9.1	9.1	9.1	4.5	.0	.0	56.5	43.5	22
18021	4.5	.0	4.5	22.7	.0	5.1	9.1	.0	.0	.0	50.0	50.0	22
TOT	3	0	3	12	7	8	6	2	0	0	41	40	81
PCT	3.7	.0	3.7	14.8	8.6	9.9	7.4	2.5	.0	.0	50.6	49.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	3.8	.0	.0	11.5	26.9	57.7	26
06009	.0	.0	5.1	10.2	33.9	50.8	59
12015	3.0	.0	6.1	24.2	15.2	51.5	33
18021	.0	.0	5.1	15.4	20.5	59.0	39
TOT	2	0	7	23	40	85	157
PCT	1.3	.0	4.5	14.6	25.5	54.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	12.5	25.0	31.3	43.8	16
06009	5.0	5.0	35.0	20.0	45.0	20
12015	4.5	4.5	36.4	31.8	31.8	22
18021	4.5	9.1	45.5	13.6	40.9	22
TOT	3	6	29	19	32	80
PCT	3.8	7.5	36.3	23.8	40.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	.0	1.3	.0	.0	1	1.3
65/69	.0	.0	.0	.0	1.3	3.8	5.1	1.3	9	11.5
60/64	.0	.0	.0	.0	2.6	3.8	5.1	11.5	18	23.1
55/59	.0	.0	.0	3.8	7.7	5.1	3.8	16.7	29	37.2
50/54	.0	.0	.0	1.3	6.4	6.4	3.8	7.7	20	25.6
45/49	.0	.0	.0	.0	1.3	.0	.0	.0	1	1.3
TOTAL	0	0	0	4	15	16	14	29	78	100.0
PCT	.0	.0	.0	5.1	19.2	20.5	17.9	37.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0
65/69	1.9	1.6	.0	.0	.0	1.3	1.0	3.8	.0	.0
60/64	8.7	1.6	1.7	.0	.0	1.9	3.2	7.7	.0	.0
55/59	3.2	1.3	.0	6.4	.0	6.4	7.4	12.5	.0	.0
50/54	1.0	1.6	.0	1.3	11.9	5.8	3.2	1.9	.0	.0
45/49	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0
TOTAL	14.7	5.1	1.0	6.7	14.4	15.4	14.7	27.9	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	69	67	65	58	50	48	46	57.8	245
06009	68	67	66	59	53	50	47	58.8	463
12015	73	70	68	60	54	50	49	60.5	479
18021	71	68	66	60	53	49	47	59.8	458
TOT	73	69	66	59	53	49	46	59.4	1645

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	35.3	5.9	11.8	47.1	80	16
06009	.0	4.5	4.5	40.9	9.1	40.9	83	22
12015	.0	9.5	19.0	4.8	23.8	42.9	83	21
18021	.0	5.3	21.1	26.3	26.3	21.1	78	19
TOT	0	4	15	16	14	30	81	79

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

DECEMBER

AREA 0020 TRISTAN DA CUNHA GROUP
38.53 10.24

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	49 52	53 56	57 60	61 64	65 68	69 72	TOT	N FOG	NO FOG
7/8	.0	.0	.0	2.1	.0	1.1	3	.0	3.2
6	.0	.0	.0	2.1	1.1	.0	3	.0	3.2
5	.0	.0	.0	.0	1.1	.0	1	.0	1.1
4	.0	1.1	1.1	.0	1.1	1.1	4	.0	4.2
3	.0	1.1	4.2	4.2	1.1	.0	10	2.1	8.4
2	.0	2.1	5.3	5.2	4.2	.0	14	1.1	13.7
1	2.1	2.1	3.2	1.1	.0	.0	8	.0	8.4
0	1.1	5.3	1.1	4.2	.0	.0	11	1.1	10.5
-1	3.2	3.2	6.3	.0	.0	.0	12	.0	12.6
-2	1.1	3.2	.0	1.1	.0	.0	5	.0	5.3
-3	.0	.0	2.1	2.1	1.1	.0	5	.0	5.3
-4	.0	5.3	1.1	.0	.0	.0	6	.0	6.3
-5	.0	3.2	.0	.0	.0	.0	3	.0	3.2
-7/-8	4.2	.0	.0	.0	.0	.0	4	.0	4.2
-9/-10	4.2	.0	.0	.0	.0	.0	4	.0	4.2
-11/-13	.0	1.1	.0	.0	.0	.0	1	.0	1.1
-14/-16	.0	1.1	.0	.0	.0	.0	1	.0	1.1
TOTAL	13	27	23	19	9	2	95	4	91
PCT	15.8	28.4	24.2	20.0	9.5	2.1	100.0	4.2	99.8

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.6	.0	.0	.0	.0	4.6	.0	2.5	.0	.0	.0	.0	2.5
3-4	.0	1.1	1.4	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.4	1.4	.0	.0	1.8
8-9	.0	.0	1.4	1.1	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	1.4	1.4	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.1	5.4	2.5	.0	.0	15.0	.0	3.9	.4	1.4	.0	.0	5.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.1	.0	.0	.0	.0	1.1	.0	2.9	2.9	.0	.0	.0	5.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.0	.0	.0	.0	1.1	.0	2.9	2.9	.0	.0	.0	5.7

PERIOD: (OVER-ALL) 1963-1975

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AREA 0020 TRISTAN DA CUNHA GROUP
30.25 10.2M

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	1.4	.0	.0	.0	1.4
3-4	.0	2.5	1.4	.0	.0	.0	3.9	.0	2.1	4.3	.0	.0	.0	6.4
5-6	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	1.8	4.3	.0	.0	6.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	1.8	.0	.0	1.8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	1.4
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	1.4	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.4	.0	.4
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.4	2.5	1.1	.0	.0	8.9	.0	2.1	7.9	7.9	.4	.0	18.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	1.4	.0	.0	.0	3.9	.0	5.0	1.4	.0	.0	.0	6.4	.0
3-4	.0	1.1	2.5	.0	.0	.0	3.6	.0	.4	1.8	.0	.0	.0	2.1	.0
5-6	.0	.0	5.4	.0	.0	.0	5.4	.0	1.4	3.2	1.4	.0	.0	6.1	.0
7	.0	.0	1.1	.0	.0	.0	1.1	.0	.0	.0	2.9	.0	.0	2.9	.0
8-9	.0	.0	1.4	.0	.0	.0	1.4	.0	1.4	.0	4.6	.0	.0	6.1	.0
10-11	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	1.1	.0	.0	1.1	.0	.0	.0	.4	.0	.0	.4	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	1.4	.0
17-19	.0	.0	.0	.0	1.1	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	1.4	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.6	11.8	2.1	1.1	.0	18.6	.0	8.2	7.9	10.7	.0	.0	26.8	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-23	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	20.0	7.1	.0	.0	.0	27.1	.0
3-4	.0	7.1	11.4	.0	.0	.0	18.6	.0
5-6	.0	2.9	11.4	5.7	.0	.0	20.0	.0
7	.0	.0	2.9	4.3	.0	.0	7.1	.0
8-9	.0	1.4	2.9	8.6	.0	.0	12.9	.0
10-11	.0	.0	1.4	2.9	.0	.0	4.3	.0
12	.0	.0	.0	2.9	.0	.0	2.9	.0
13-16	.0	1.4	.0	1.4	.0	.0	2.9	.0
17-19	.0	1.4	.0	.0	1.4	.0	2.9	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	1.4	.0	.0	.0	1.4	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	34.3	38.6	25.7	1.4	.0	100.0	70

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	2.4	9.5	6.0	3.6	1.2	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	5
6-7	.0	.0	1.2	4.8	6.0	.0	.0	2.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	7
8-9	.0	1.2	.0	3.6	8.3	8.3	2.4	3.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	24	8
10-11	.0	.0	.0	.0	2.4	2.4	2.4	1.2	3.6	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0	11	11
12-13	.0	.0	.0	.0	1.2	.0	1.2	1.2	.0	.0	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	6	15
>13	.0	.0	.0	.0	.0	.0	.0	.0	2.4	1.2	.0	1.2	.0	.0	.0	.0	.0	.0	.0	4	17
INDFT	.0	.0	.0	.0	2.4	.0	1.2	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	12
TOTAL	.0	3	9	12	20	10	6	8	9	3	1	3	0	0	0	0	0	0	0	84	9
PCT	.0	3.6	10.7	14.3	23.8	11.9	7.1	9.5	10.7	3.6	1.2	3.6	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1860-1976
(OVER-ALL) 1854-1976

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	13.2	1.5	7.6	.0	.0	.0	.3	22.1	1.5	.0	4.4	.5	.6	.0	70.9
NE	7.8	2.9	6.3	.0	.0	.0	.0	19.5	2.1	.0	3.8	.0	.0	.0	74.6
E	7.2	4.4	6.8	.0	.0	.0	.0	18.5	2.6	.0	3.2	.0	.0	.0	75.7
SE	5.3	1.3	9.7	.0	.0	.0	.0	16.3	.3	.0	.4	.0	.0	.0	74.7
S	3.5	1.0	5.3	.0	.0	.0	1.0	10.8	5.6	.0	.0	.0	1.1	.0	82.4
SW	5.2	2.3	6.5	.0	.0	.0	.0	13.5	1.8	.0	.2	.2	.8	.0	83.5
W	6.4	1.9	4.5	.0	.0	.0	.4	13.1	3.4	.4	.6	.0	.2	.0	82.5
NW	12.3	3.8	6.3	.0	.0	.0	.0	22.4	4.0	.3	3.6	.1	.3	.0	69.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.9	.0	8.3	.0	.0	.0	.0	10.2	1.7	.0	.0	.0	.0	.0	88.1
TOT PCT	8.2	2.4	6.4	.0	.0	.0	.3	17.2	2.9	.2	1.9	.2	.5	.0	77.3
TOT OBS:	1845														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	9.5	2.3	9.1	.0	.0	.0	.3	20.8	5.2	.2	2.1	.2	.0	.0	71.6
0600	9.3	3.8	5.2	.0	.0	.0	.6	18.8	3.2	.2	1.7	.0	.3	.0	75.8
1200	7.0	1.9	6.0	.0	.0	.0	.3	15.0	2.4	.2	1.3	.1	.6	.0	80.4
1800	7.2	1.6	5.5	.0	.0	.0	.3	14.7	1.8	.0	2.6	.2	1.0	.0	79.7
TOT PCT	8.3	2.4	6.4	.0	.0	.0	.4	17.4	3.0	.2	1.9	.1	.5	.0	77.0
TOT OBS:	1952														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.4	2.5	7.5	6.0	1.5	.2		18.0	20.3	18.8	19.2	17.4	17.9	17.9	20.9	17.5	18.5
NE	.3	2.3	4.9	3.0	.6	.1		11.2	18.2	11.0	11.9	11.2	11.8	10.5	11.2	10.8	12.3
E	.3	1.4	1.5	.7	.2	.*		4.2	14.6	4.6	3.9	4.1	4.5	3.8	2.5	4.3	4.3
SE	.4	1.2	1.3	.6	.3	.1		3.7	15.6	3.3	3.8	3.2	3.3	4.5	2.4	3.6	3.7
S	.3	2.0	3.0	1.9	.6	.2		7.9	18.4	7.5	7.6	8.4	7.9	8.3	5.9	8.1	7.4
SW	.3	2.6	5.0	4.3	1.1	.1		13.4	19.6	13.4	14.1	12.9	12.8	13.5	13.5	13.3	14.0
W	.4	3.6	7.4	4.6	1.7	.3		17.9	19.2	17.9	17.4	18.9	17.6	18.0	19.9	18.2	16.5
NW	.4	4.2	9.3	6.2	1.9	.3		22.5	19.4	21.9	21.1	22.4	23.2	22.4	23.1	23.2	21.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0	1.7	.9	1.6	.9	1.0	.6	.9	1.3
TOT OBS							14134		18.8	2020	239	2277	1656	1925	181	1818	2018
TOT PCT	3.9	19.7	39.9	27.3	7.7	1.5		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	03	06	12	18
N	1.2	4.6	8.3	3.3	.7			18.0	20.3		18.9	17.6	18.0	18.0	
NE	1.1	3.6	4.5	1.8	.3			11.2	18.2		11.1	11.4	10.8	11.6	
E	.8	1.7	1.2	.3	.1			4.2	14.8		4.5	4.2	3.8	4.3	
SE	.9	1.4	.9	.3	.2			3.7	15.6		3.4	3.2	4.4	3.6	
S	1.0	2.7	2.7	1.1	.4			7.9	18.4		7.5	8.2	8.2	7.7	
SW	1.2	3.9	5.4	2.6	.4			13.4	19.6		13.4	12.8	13.5	13.7	
W	1.6	5.9	8.6	2.9	1.0			17.9	19.2		17.8	18.4	18.1	17.3	
NW	1.7	7.1	9.0	3.7	1.0			22.5	19.4		21.8	22.7	22.6	22.5	
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
CALM	1.2							1.2	.0		1.6	1.3	1.0	1.1	
TOT OBS						14134			18.8		2259	3933	4108	3836	
TOT PCT	10.3	30.9	38.6	15.8	3.9			100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1860-1976
(OVER-ALL) 1854-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
0000Z	1.6	2.7	19.2	40.5	26.3	8.7	1.6	18.8	100.0	2259
0600Z	1.3	2.5	20.4	39.0	26.8	8.4	1.6	18.9	100.0	3933
1201Z	1.0	2.7	19.6	40.1	27.8	7.5	1.4	18.8	100.0	4106
1802Z	1.1	2.7	19.4	40.3	27.9	7.1	1.4	18.8	100.0	3836
TOT								18.8		14134
PCT	1.2	2.6	19.7	39.9	27.3	7.7	1.5		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.2	1.6	2.8	7.4		3.9
NE	1.3	.8	1.4	2.5		3.4
E	.5	.3	1.1	2.1		3.3
SE	.8	.2	1.7	1.7		3.3
S	.6	1.9	3.6	2.3		3.7
SW	2.7	3.0	6.7	3.8		3.3
W	3.9	4.0	8.2	6.7		3.3
NW	2.8	2.0	5.0	10.7		6.1
VAR	.0	.0	.0	.0		.0
CALM	1.2	.4	.7	1.2		4.1
TOT OBS					1217	5.7
TOT PCT	16.2	14.2	31.3	38.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+ ANY HGT	TOTAL OBS
N	.6	.0	.8	2.4	3.3	.8	.4	.0	.0	.1	5.7
NE	.2	.0	.3	.6	1.2	.6	.3	.0	.0	.0	2.8
E	.2	.0	.2	.5	1.0	.4	.2	.0	.0	.1	1.3
SE	.2	.0	.1	.7	1.1	.7	.1	.2	.0	.0	1.4
S	.1	.0	.2	.6	2.5	.9	.5	.2	.0	.0	3.5
SW	.2	.0	.3	1.8	3.5	1.1	.8	.4	.0	.1	7.9
W	.1	.0	.7	3.2	4.2	2.6	.8	.2	.3	.1	10.8
NW	.5	.1	.6	4.4	4.9	1.4	.6	.0	.0	.2	7.9
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.1	.4	.5	.5	.0	.0	.0	.0	1.9
TOT OBS											1217
TOT PCT	2.1	.1	3.3	14.4	22.1	9.0	3.8	1.2	.3	.5	43.3

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)		VSBY (NM)		VSBY (NM)		VSBY (NM)		VSBY (NM)	
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	>0	>0
>6500	.6	.8	.8	.8	.8	.8	.8	.8	.8	.8
>5000	1.5	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
>3500	4.3	5.4	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8
>2000	11.1	13.9	14.5	14.6	14.6	14.6	14.7	14.7	14.7	14.7
>1000	27.0	34.2	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6
>600	33.3	45.0	49.7	50.6	51.0	51.1	51.2	51.2	51.2	51.2
>300	33.8	46.4	52.1	53.4	54.0	54.4	54.5	54.5	54.5	54.5
>150	33.8	46.5	52.2	53.5	54.1	54.5	54.6	54.6	54.6	54.6
>0	33.8	47.1	53.3	54.9	55.5	56.1	56.6	56.6	56.6	56.6

TOTAL NUMBER OF OBS: 1273

PCT FREQ NH <5/8: 43.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.2	8.6	9.9	9.5	9.0	6.3	14.2	8.1	26.8	1.3	1371

PERIOD: (PRIMARY) 1860-1976
(OVER-ALL) 1854-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.1	.1	.0	.0	.0	.0	.0	.2	.0	.0	.3	
	NO PCP	.1	.0	.1	*	.0	*	.0	.3	.0	.0	.4	
	TOT %	.3	.1	.1	*	.0	*	.0	.5	.0	.0	.9	
1/2<1	PCP	.1	*	.0	.0	.1	.1	.1	.5	.0	.0	1.0	
	NO PCP	.2	*	.0	.0	.0	.1	.1	.1	.0	.0	.3	
	TOT %	.3	*	.0	.0	.1	.1	.2	.5	.0	.0	1.3	
1<2	PCP	.5	.2	.1	.2	*	.2	.1	.4	.0	.0	1.6	
	NO PCP	.1	.1	.0	.0	.1	*	.2	.3	.0	.0	.8	
	TOT %	.6	.3	.1	.2	.1	.2	.2	.7	.0	.0	2.4	
2<5	PCP	.7	.3	.2	.1	.3	.2	.7	1.2	.0	.2	3.4	
	NO PCP	.6	*	.2	.1	.3	.1	.9	1.4	.0	.0	3.6	
	TOT %	1.3	.3	.4	.3	.5	.3	1.6	2.6	.0	.2	7.4	
5<10	PCP	1.3	.4	.2	.4	.4	.6	1.7	1.9	.0	.1	7.0	
	NO PCP	2.9	.7	.9	.6	1.9	4.2	4.7	5.2	.0	.3	21.4	
	TOT %	4.2	1.1	1.1	1.0	2.3	4.8	6.4	7.1	.0	.4	28.4	
10+	PCP	.4	.1	.1	.1	.1	.1	.5	.9	.0	.0	3.4	
	NO PCP	7.2	3.5	2.3	2.2	5.7	9.3	13.9	9.6	.0	2.4	56.2	
	TOT %	7.6	3.7	2.4	2.4	5.8	10.4	14.4	10.5	.0	2.4	59.6	
TOT OBS													1839
TOT PCT		14.2	5.5	4.0	3.8	8.9	15.9	22.8	21.9	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.1	*	.0	.0	.0	.1	.0	.0	.2	
	11-21	.2	.0	.0	.0	.0	*	.1	.2	.0	.0	.4	
	22+	.2	*	.0	.0	.0	.0	.0	.3	.0	.0	.5	
	TOT %	.3	*	.1	*	.0	*	.1	.6	.0	.0	1.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	*	.0	.0	.0	.0	.0	*	.0	.0	.1	
	11-21	.1	.0	.0	.0	.1	.0	.2	.3	.0	.0	.6	
	22+	.1	*	.0	.0	*	.1	*	.2	.0	.0	.6	
	TOT %	.3	*	.0	.0	.1	.1	.2	.5	.0	.0	1.3	
1<2	0-3	*	*	.0	.0	.0	.1	.0	.0	.0	.0	.1	
	4-10	.1	.0	.1	.1	.0	.1	.1	.2	.0	.0	.6	
	11-21	.2	.1	.0	.0	.1	.1	.1	*	.0	.0	.6	
	22+	.4	.1	.0	.1	*	.1	.1	.4	.0	.0	1.2	
	TOT %	.6	.3	.1	.2	.1	.3	.4	.6	.0	.0	2.6	
2<5	0-3	*	.0	.0	.0	.1	.0	.0	*	.0	.2	.3	
	4-10	.2	*	.1	.0	*	.2	.8	.0	.0	.0	2.1	
	11-21	.4	.2	.1	.1	.1	.2	.4	.8	.0	.0	2.3	
	22+	.7	*	.2	.2	.3	.3	.5	1.2	.0	.0	3.4	
	TOT %	1.4	.3	.4	.2	.6	.7	1.7	2.8	.0	.2	8.2	
5<10	0-3	.1	.0	.1	.0	.0	*	.2	.2	.0	.3	.9	
	4-10	.7	.4	.3	.3	1.1	1.2	2.2	1.5	.0	.0	7.5	
	11-21	2.0	.3	.3	.4	.8	1.5	2.3	3.1	.0	.0	10.9	
	22+	1.3	.3	.3	.3	.3	2.3	1.8	2.4	.0	.0	9.1	
	TOT %	4.0	1.0	1.0	1.0	2.2	5.1	6.6	7.1	.0	.3	28.4	
10+	0-3	.4	.1	.3	.1	.1	.3	.2	.2	.0	2.4	4.2	
	4-10	2.7	1.8	.8	.9	2.5	3.1	4.6	4.1	.0	.0	20.5	
	11-21	3.3	1.6	.9	1.1	2.2	3.7	6.0	4.4	.0	.0	23.2	
	22+	.9	.1	.2	.2	1.0	3.1	3.1	1.8	.0	.0	10.5	
	TOT %	7.4	3.5	2.3	2.3	5.8	10.3	14.0	10.5	.0	2.4	58.4	
TOT OBS													1921
TOT PCT		14.0	5.3	3.9	3.6	8.8	16.5	22.9	22.2	.0	3.0	100.0	

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PERIOD: (PRIMARY) 1860-1976
(OVER-ALL) 1854-1976AREA 0020 TRISTAN DA CUNHA GROUP
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	1.6	.0	3.6	16.5	22.0	7.7	3.2	1.7	.2	.9	57.3	42.7	294
06009	3.9	.0	1.7	13.8	20.9	7.9	4.3	1.2	.2	.8	54.7	45.3	365
12015	1.0	.4	3.8	14.0	21.5	10.5	3.6	1.3	.6	.2	56.7	43.3	342
18021	1.4	.0	3.9	12.8	20.1	7.5	4.4	1.2	.0	.2	51.4	48.6	313
TOT													1314
PCT	2.1	.1	3.1	14.0	21.1	8.5	3.8	1.2	.3	.5	54.8	45.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	1.2	.3	2.3	8.2	28.7	59.3	398
06009	1.1	1.1	2.6	10.0	31.4	53.8	636
12015	1.5	1.2	2.9	7.1	23.0	64.3	469
18021	1.0	2.0	2.5	7.5	29.9	57.1	530
TOT							2033
PCT	1.2	1.2	2.6	8.4	28.7	57.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HR	<150 <300	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL
(GMT)						OBS
00003	1.3	4.9	25.3	33.8	40.9	289
06009	4.0	6.2	24.7	33.9	41.4	347
12015	1.0	6.1	23.4	36.8	39.9	336
18021	1.5	6.5	23.3	32.3	44.4	301
TOT						1273
PCT	2.1	6.0	24.1	34.2	41.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
									OBS	FREQ
70/74	.0	.0	.0	.0	.3	.2	.4	.6	1.4	
65/69	.0	.1	.0	.1	.9	2.2	3.8	3.3	10.4	
60/64	.0	.0	.1	.8	2.8	3.9	8.6	7.9	24.2	
55/59	.0	.0	.1	1.5	4.6	6.4	10.2	10.6	33.3	
50/54	.0	.0	.0	.8	3.3	5.2	7.2	4.5	21.0	
45/49	.0	.0	.0	.0	.9	3.7	2.2	1.6	8.4	
40/44	.0	.0	.0	.3	.0	.6	.3	.1	1.3	
TOTAL									1333	100.0
PCT	.0	.1	.2	3.5	12.9	22.2	32.6	28.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
70/74	.2	.1	.0	.0	.1	.0	.4	.7	.0	.0
65/69	2.7	.3	1.1	.1	.4	.8	2.1	2.7	.0	.1
60/64	5.3	1.8	1.2	.5	1.2	3.2	5.2	5.4	.0	.4
55/59	4.2	1.5	1.0	2.2	1.3	4.7	7.2	10.1	.0	1.1
50/54	2.1	.8	.6	.9	2.9	4.2	5.5	3.3	.0	.4
45/49	.4	.4	.4	.6	2.2	2.4	1.2	.4	.0	.5
40/44	.1	.1	.0	.0	.1	.6	.2	.0	.0	.3
TOTAL	14.9	5.1	4.3	4.4	8.3	16.0	21.7	22.6	.0	2.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	74	66	64	57	49	47	43	57.0	2150
06009	75	67	64	58	50	46	40	57.4	3812
12015	78	69	66	59	51	48	37	59.0	4043
18021	76	68	65	58	51	47	39	58.3	3687
TOT	78	68	65	58	51	47	37	58.0	13692

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)								OBS
00003	.0	4.6	12.2	16.8	32.8	33.6	83	330
06009	.0	2.3	9.8	25.4	28.8	33.4	83	414
12015	.0	4.5	14.7	20.0	33.3	22.5	80	330
18021	.0	3.6	13.7	24.2	33.7	24.8	81	363
TOT	0	48	193	309	464	423	82	1437

PERIOD: (PRIMARY) 1860-1976
(OVER-ALL) 1854-1976

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	41 44	45 48	49 52	53 56	57 60	61 64	65 68	69 72	73 76	TOT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.0	.3	.1	.0	4	.0	.3
9/10	.0	.0	.0	.0	.0	.2	.1	.1	.0	8	.0	.5
7/8	.0	.0	.0	.0	.6	.4	.3	.4	.0	22	.0	1.7
6	.0	.0	.0	.0	.3	.6	.5	.0	.0	23	.0	1.4
5	.0	.0	.0	.2	1.1	.8	1.2	.2	.1	52	.2	3.3
4	.0	.0	.0	.4	2.2	1.7	1.6	.4	.0	94	.1	6.2
3	.0	.0	.1	1.5	2.4	1.9	.7	.2	.0	100	.2	6.6
2	.0	.1	.2	2.0	3.6	3.4	1.5	.9	.0	162	.4	11.2
1	.0	.0	.8	3.5	3.6	2.3	.4	.2	.0	161	.2	10.7
0	.1	.2	1.5	3.5	3.8	2.5	.6	.3	.0	194	.5	12.0
-1	.0	.1	2.2	2.7	3.5	1.0	.7	.0	.0	152	.1	10.2
-2	.2	.6	1.9	2.6	2.3	.8	.5	.1	.0	129	.*	8.8
-3	.0	.3	2.4	1.2	2.0	.8	.3	.0	.0	106	.1	6.9
-4	.0	1.0	1.8	1.3	.9	.4	.1	.0	.0	80	.1	5.6
-5	.0	1.1	1.3	.8	.4	.2	.0	.0	.0	55	.0	3.8
-6	.3	.4	.3	.3	.6	.2	.0	.1	.0	30	.0	2.2
-7/-8	.5	1.3	.9	.1	.8	.1	.0	.0	.0	52	.0	3.8
-9/-10	.5	.4	.4	.2	.2	.3	.0	.0	.0	22	.0	1.9
-11/-13	.0	.2	.1	.2	.1	.0	.0	.0	.0	9	.0	.6
-14/-16	.0	.0	.0	.2	.1	.0	.0	.0	.0	3	.0	.3
TOTAL										1458		
PCT	1.6	5.7	13.9	20.7	28.6	17.5	8.8	3.0	.1	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

N							NE							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.4	.1	.0	.0	.0	.4	.0	.1	*	.0	.0	.0	.1
1-2	.1	2.5	1.1	.0	.0	.0	3.6	.0	1.5	.5	.0	.0	.0	2.0
3-4	.3	1.3	2.9	.3	.0	.0	4.7	.1	.5	.8	.0	.0	.0	1.4
5-6	.0	.4	3.6	1.2	.1	.0	5.4	.0	.2	.7	*	.0	.0	1.0
7	.0	.0	.7	.5	.1	.0	1.3	.0	.0	.1	.1	.0	.0	.2
8-9	.0	.0	.1	.4	.0	.0	.5	.0	.0	.0	*	.0	.0	*
10-11	.0	.3	.1	.2	.1	.2	.9	.0	.1	.0	.2	*	.0	.3
12	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.2	*	.0	.2
13-16	.0	.1	.0	.2	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	4.9	6.6	2.8	.6	.2	17.4	.1	2.3	3.1	.6	.1	.0	5.2

E							SE							
HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.6	.5	.0	.0	.0	1.1	.0	.7	.8	.0	.0	.0	1.5
3-4	.0	.2	.3	.4	.0	.0	.9	.0	.0	.2	.2	.0	.0	.4
5-6	.0	.1	.2	.1	.0	.0	.4	.0	.0	.3	.2	.0	.0	.5
7	.0	.0	.1	.1	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.1	.2	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.1	.1	.0	.0	.2	.0	.0	.2	.1	.2	.0	.5
12	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.5	.0	.5
13-16	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.1	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	1.3	1.1	.0	.0	3.3	.0	.8	1.6	.5	.7	.0	3.6

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.7	.0	.0	.0	.0	.7	.3	1.0	.2	.0	.0	.0	1.5
1-2	.0	1.4	.9	.0	.0	.0	2.3	.2	3.2	1.9	.0	.0	.0	5.3
3-4	.0	.6	1.3	.1	.0	.0	2.0	.0	1.1	1.6	.5	.0	.0	3.1
5-6	.0	.1	.2	.3	.0	.0	.5	.0	.8	1.3	.6	.1	.0	2.9
7	.0	.0	.1	.1	.0	.0	.1	.0	.1	1.4	.1	.0	.0	1.6
8-9	.0	.0	.0	.1	.0	.0	.1	.0	.0	.2	.3	.1	.0	.6
10-11	.0	.1	.0	.1	.0	.0	.2	.0	.0	.0	.8	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.8
13-16	.0	.0	.0	.2	.0	.0	.2	.0	.6	.0	.0	.0	.0	.6
17-19	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.0	2.3	.9	.0	.0	6.2	.5	6.8	6.7	3.1	.2	.0	17.3

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	2.4	.2	.0	.0	.0	2.6	.0	.4	.0	.0	.0	.0	.4	
1-2	.0	2.2	2.5	.0	.0	.0	4.7	.0	1.8	1.6	.0	.0	.0	3.4	
3-4	.1	1.1	1.8	.4	.0	.0	3.3	.3	2.0	2.1	1.1	.0	.0	5.5	
5-6	.1	.8	3.4	1.1	.2	.0	5.6	.*	.5	4.8	.7	.1	.0	6.1	
7	.0	.4	2.2	.3	.1	.0	3.1	.0	.8	1.7	.9	.*	.0	3.4	
8-9	.0	.1	.8	.6	.1	.0	1.5	.0	.1	.2	.9	.0	.0	1.2	
10-11	.0	.0	.2	.2	.0	.0	.5	.0	.*	.1	.2	.0	.0	.4	
12	.0	.0	.0	.2	.1	.0	.3	.0	.0	.0	.3	.*	.0	.3	
13-16	.0	.0	.0	.3	.0	.0	.3	.0	.0	.0	.5	.0	.0	.5	
17-19	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.2	6.9	11.1	3.2	.6	.0	21.9	.3	5.7	10.7	4.6	.1	.0	21.4	96.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.3	5.1	.5	.0	.0	.0	9.9	
1-2	.4	13.8	9.8	.0	.0	.0	24.0	
3-4	.7	6.7	10.9	2.8	.0	.0	21.1	
5-6	.1	2.9	14.4	4.2	.6	.0	22.2	
7	.0	1.3	6.1	2.2	.2	.0	9.8	
8-9	.0	.2	1.4	2.5	.2	.0	4.3	
10-11	.0	.5	.8	2.0	.3	.2	3.8	
12	.0	.0	.0	1.5	.7	.0	2.2	
13-16	.0	.8	.0	1.3	.2	.0	2.3	
17-19	.0	.1	.0	.0	.1	.0	.2	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.1	.0	.0	.0	.1	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.5	31.4	44.0	16.6	2.2	.2	100.0	702

PERIOD: (OVER-ALL) 1952-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	6.3	8.5	4.8	2.9	1.6	.4	.7	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	264	5
6-7	.0	1.3	3.4	7.8	6.8	2.8	2.2	1.1	.9	.1	.2	.1	.0	.1	.0	.0	.0	.0	.0	299	7
8-9	.0	.6	1.2	3.4	3.3	3.3	1.9	1.6	.7	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0	160	8
10-11	.0	.6	.4	.1	.8	.8	1.4	.9	1.4	.8	.2	.1	.1	.0	.0	.0	.0	.0	.0	72	10
12-13	.0	.0	.3	.7	.4	.5	.6	.5	1.0	.3	.1	.3	.0	.0	.0	.0	.0	.0	.0	43	10
>13	.0	.0	.0	.6	.8	1.0	.2	.2	.3	.2	.5	.9	.0	.0	.0	.0	.0	.0	.0	34	11
INDET	2.0	.8	1.2	2.3	2.5	.9	.7	.4	.6	.9	.0	.3	.1	.0	.0	.0	.0	.0	.0	119	6
TOTAL PCT	2.9	9.5	15.0	19.6	17.6	10.8	7.4	5.4	5.5	2.9	1.3	1.8	.2	.1	.0	.0	.0	.0	.0	991	7

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
83/84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
81/82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
79/80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
77/78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
75/76	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
73/74	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	.0
71/72	.7	1.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	.2
69/70	1.4	3.9	1.6	.3	.7	.1	.1	.0	.0	.0	.0	.1	74	.6
67/68	4.0	8.7	5.6	1.4	.5	.1	.1	.1	.4	.1	.1	.1	190	1.5
65/66	6.1	10.0	12.0	3.3	1.3	.3	.3	.1	.2	.1	.0	1.5	318	2.6
63/64	12.7	17.1	19.0	15.3	6.8	1.4	.5	.3	.1	.2	1.9	5.6	754	6.1
61/62	16.5	14.3	15.3	19.6	15.4	5.7	.8	.3	.1	.4	7.2	10.7	1074	8.7
59/60	21.0	17.6	16.9	20.0	23.4	15.5	4.1	2.6	2.8	5.0	15.7	16.6	1695	13.8
57/58	15.2	19.5	13.4	14.8	18.9	17.1	13.6	10.3	12.7	17.4	17.8	25.7	2054	16.7
55/56	12.4	8.3	11.7	17.3	21.2	22.0	27.9	25.0	28.7	26.1	25.0	22.8	2595	21.1
53/54	7.9	2.5	3.7	6.2	8.0	22.9	26.1	26.9	24.8	24.1	16.2	12.1	1878	15.3
51/52	1.8	.2	.5	1.0	3.0	11.7	17.7	24.5	18.1	18.5	10.6	3.5	1136	9.2
49/50	.2	.1	.0	.6	.7	1.7	7.0	8.9	9.5	6.8	4.6	1.2	418	3.4
47/48	.0	.0	.0	.1	.3	1.0	1.7	.9	1.8	1.2	.6	.1	76	.6
45/46	.0	.0	.0	.0	.0	.3	.0	.1	.7	.1	.3	.1	16	.1
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	2	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	1221	853	732	694	1061	972	858	925	834	1139	1529	1489	12307	100.0
MEAN	59.4	61.5	60.9	59.3	58.2	55.7	54.3	53.7	53.9	54.3	55.9	57.4	57.0	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1014	1015	1016	1016	1013	1016	1015	1016	304
FEB	1017	1020	1017	1016	1016	1010	1017	1016	1016	352
MAR	1017	1014	1016	1019	1016	1018	1016	1018	1017	228
APR	1014	1019	1013	1013	1016	1011	1012	1014	1014	299
MAY	1016	1019	1015	1014	1016	1009	1015	1012	1015	460
JUN	1018	1019	1017	1016	1016	1016	1018	1019	1017	248
JUL	1018	1016	1018	1022	1020	1012	1017	1019	1019	158
AUG	1017	1004	1021	1018	1019	1020	1017	1019	1019	207
SEP	1016	1016	1018	1019	1018	1015	1018	1020	1018	306
OCT	1020	1012	1019	1020	1018	1017	1018	1020	1019	450
NOV	1016	1008	1015	1015	1015	1017	1015	1015	1015	470
DEC	1015	1012	1016	1015	1016	1020	1017	1013	1016	357
ANN	1017	1014	1017	1017	1017	1014	1017	1017	1017	3839
OBS	381	32	701	290	1268	51	631	285		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	995	1000	1004	1013	1017	1020	1025	1030	1033
FEB	988	990	1005	1012	1018	1021	1025	1028	1032
MAR	985	988	1001	1012	1018	1022	1028	1029	1030
APR	994	995	1001	1008	1015	1021	1027	1029	1030
MAY	987	993	999	1009	1016	1021	1026	1030	1036
JUN	993	997	1002	1012	1017	1023	1030	1034	1037
JUL	990	990	1001	1016	1020	1025	1030	1033	1034
AUG	995	996	1000	1012	1021	1026	1034	1037	1038
SEP	991	994	1001	1012	1019	1025	1030	1035	1036
OCT	997	1000	1003	1012	1020	1026	1031	1035	1039
NOV	987	994	1000	1010	1016	1022	1027	1030	1032
DEC	993	996	1001	1011	1016	1021	1027	1030	1031

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

JANUARY

AREA 0021 TRINDADE
19.65 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FUG PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21.1	.0	.0	.0	78.9
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.5	.0	.0	.0	79.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	10.3	.0	.0	.0	86.2
TOT OBS	29														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
0600Z	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	16.7	.0	.0	.0	66.7
1200Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	87.5
1800Z	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	90.9
TOT PCT TOT OBS:	.0 29	3.4	.0	.0	.0	.0	.0	3.4	.0	.0	10.3	.0	.0	.0	86.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.1	6.5	2.8	.0	.0	.0		10.5	8.6		35.0	5.6	7.4	7.3	.0	12.7	13.3	12.0
NE	2.4	14.1	16.7	1.3	.0	.0		34.6	11.2		25.0	37.1	33.6	33.6	41.7	37.7	35.2	28.2
E	1.7	19.0	21.7	2.5	.0	.0		44.8	11.9		20.0	49.2	46.7	49.1	58.3	42.7	37.5	47.9
SE	.3	2.3	3.2	.1	.0	.0		6.0	11.7		.0	5.6	7.4	5.5	.0	4.6	7.0	7.7
S	.0	.1	.0	.0	.0	.0		.1	9.0		.0	.0	.8	.0	.0	.0	.0	.0
SW	.0	.4	.0	.0	.0	.0		.4	7.0		.0	.0	1.6	.0	.0	.0	.0	1.4
W	.0	.7	.0	.0	.0	.0		.7	8.0		.0	.0	.0	1.8	.0	.0	1.6	1.4
NW	.0	1.4	.8	.0	.0	.0		2.2	9.2		20.0	.8	2.5	2.7	.0	1.5	3.9	1.4
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.7							.7	.0		.0	1.6	.0	.0	.0	.8	1.6	.0
TOT DBS	28	201	204	18	0	0	451		11.1		5	62	61	35	3	130	64	71
TOT PCT	6.2	44.6	43.2	4.0	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	3.2	7.0	.3	.0	.0			10.5	8.6		7.8	7.3	12.4	12.6
NE	6.4	22.9	4.8	.4	.0			34.6	11.2		36.2	33.6	37.8	31.5
E	8.8	24.7	10.8	.7	.0			44.8	11.9		47.0	47.8	43.0	43.0
SE	1.4	2.7	1.9	.0	.0			6.0	11.7		5.2	6.5	4.5	7.4
S	.0	.1	.0	.0	.0			.1	9.0		.0	.4	.0	.0
SW	.2	.2	.0	.0	.0			.4	7.0		.0	.9	.0	.7
W	.2	.4	.0	.0	.0			.7	8.0		.0	.9	.0	1.5
NW	.6	1.7	.0	.0	.0			2.2	9.2		2.2	2.6	1.5	2.6
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0
CALM	.7							.7	.0		1.5	.0	.8	.7
TOT DBS	97	269	80	5	0	451			11.1		67	116	133	135
TOT PCT	21.5	59.6	17.7	1.1	.0			100.0			100.0	100.0	100.0	100.0

AREA 0021 TRINDADE
19.6S 29.3W

HOUR	CALM	1-3		4-10		WIND SPEED (KNOTS) 11-21 22-33 34-47			48+	MEAN	PCT FREQ	TOTAL OBS
000603	1.5	6.0	41.8	47.8	3.0	.0	.0	.0	10.9	100.0	67	
040209	.0	5.2	43.1	47.4	4.3	.0	.0	.0	11.5	100.0	116	
126115	.8	1.2	40.6	51.9	5.3	.0	.0	.0	12.1	100.0	133	
170521	.7	9.9	31.6	39.6	3.0	.0	.0	.0	9.8	100.0	145	
TOT	3	25	201	204	18	0	0	0	11.1		451	
PCT	.7	5.5	44.6	43.2	4.0	.0	.0	.0	100.0			

WIND DIR	0-2	3-4	5-7	8 & OBSCH	TOTAL OBS	MEAN CLOUD COVER
N	5.3	.0	.0	.0		.0
NE	31.6	17.1	10.5	5.3		3.2
E	2.6	3.9	10.5	.0		4.9
SE	2.6	.0	.0	.0		2.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	10.5	.0		6.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	8	4	6	1	19	
TOT PCT	42.1	21.1	31.6	5.3	100.0	3.6

[illegible]

	CEILING (FEET)	VSBY (NM)							
		■ OR ≥10	■ OR ≥5	■ OR ≥2	■ OR ≥1	■ OR ≥1/2	■ OR ≥1/4	■ OR ≥50YD	■ OR ≥0
■ OR	≥5000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR	≥5000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR	≥5000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR	≥2000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR	≥1000	.0	.0	.0	.0	.0	.0	.0	.0
■ OR	≥600	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
■ OR	≥300	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
■ OR	≥150	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
■ OR	≥0	17.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4
	TOTAL	3	5	5	5	5	5	5	5

PCT FREQ NH 45/81 70.6

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL CBS
9.5	23.8	23.8	4.8	9.5	9.5	4.8	9.5	4.8	.0	21

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970

JANUARY

AREA 0021 TRINDADE
19.85 29.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	3.4	.0	.0	3.4	
	NO PCP	6.9	.0	17.2	.0	.0	.0	3.4	.0	.0	.0	27.6	
	TOT %	6.9	.0	17.2	.0	.0	.0	3.4	3.4	.0	.0	31.0	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	9.5	39.7	16.4	3.4	.0	.0	.0	.0	.0	.0	69.0	
	TOT %	9.5	39.7	16.4	3.4	.0	.0	.0	.0	.0	.0	69.0	
TOT OBS													29
TOT PCT		16.4	39.7	33.6	3.4	.0	.0	3.4	3.4	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9	
	4-10	2.9	.0	14.7	.0	.0	.0	2.9	2.9	.0	.0	23.5	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	5.9	.0	14.7	.0	.0	.0	2.9	2.9	.0	.0	26.5	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	4.4	19.1	14.7	2.9	.0	.0	.0	.0	.0	.0	41.2	
	11-21	6.6	16.2	2.2	.0	.0	.0	.0	1.5	.0	.0	26.5	
	22+	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	5.9	
	TOT %	11.0	41.2	16.9	2.9	.0	.0	.0	1.5	.0	.0	73.5	
TOT OBS													34
TOT PCT		16.9	41.2	31.6	2.9	.0	.0	2.9	4.4	.0	.0	100.0	

PERIOD: (PRIMARY) 1873-1970
(OVER-ALL) 1856-1970AREA 0021 TRINIDADE
19.6S 29.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00Z03	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06Z09	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
12Z15	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
18Z21	.0	.0	.0	36.4	.0	9.1	.0	.0	.0	.0	45.5	54.5	11
TOT	0	0	0	5	0	1	0	0	0	0	6	15	21
PCT	.0	.0	.0	23.8	.0	4.8	.0	.0	.0	.0	28.6	71.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	.0	.0	.0	.0	.0	100.0	3
06Z09	.0	.0	.0	.0	50.0	50.0	6
12Z15	.0	.0	.0	.0	11.1	88.9	9
18Z21	.0	.0	.0	.0	35.7	64.3	14
TOT	0	0	0	0	9	25	34
PCT	.0	.0	.0	.0	26.5	73.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00Z03	.0	.0	.0	.0	100.0	2
06Z09	.0	.0	.0	.0	100.0	3
12Z15	.0	.0	93.3	.0	66.7	3
18Z21	.0	.0	44.4	.0	55.6	9
TOT	0	0	5	0	12	17
PCT	.0	.0	29.4	.0	70.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	5.0	.0	.0	1	5.0
80/84	.0	.0	.0	.0	15.0	35.0	.0	.0	10	50.0
75/79	.0	.0	.0	.0	.0	20.0	15.0	5.0	8	40.0
70/74	.0	.0	.0	.0	.0	.0	.0	5.0	1	5.0
TOTAL	0	0	0	0	3	12	3	2	20	100.0
PCT	.0	.0	.0	.0	15.0	60.0	15.0	10.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0
80/84	.0	31.3	16.3	2.5	.0	.0	.0	.0	.0	.0
75/79	3.8	16.3	17.5	2.5	.0	.0	.0	.0	.0	.0
70/74	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	8.8	52.5	33.8	5.0	.0	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	82	81	81	78	73	66	66	77.4	63
06Z09	84	83	82	78	75	68	68	77.6	108
12Z15	87	86	85	80	77	75	72	80.6	130
18Z21	88	87	84	80	75	71	70	79.4	127
TOT	88	86	84	79	75	70	66	79.0	428

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	.0	.0	33.3	66.7	.0	83	3
06Z09	.0	.0	.0	40.0	20.0	40.0	84	5
12Z15	.0	.0	50.0	50.0	.0	.0	72	6
18Z21	.0	.0	.0	100.0	.0	.0	75	6
TOT	0	0	3	12	3	2	77	20

PERIOD: (PRIMARY) 1973-1970
(OVER-ALL) 1956-1970

JANUARY

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19.6S 29.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	N FOG	WD FOG
4	.0	.0	.0	4.0	1	.0	4.0
3	.0	.0	8.0	.0	2	.0	8.0
2	.0	.0	8.0	.0	2	.0	8.0
1	4.0	4.0	4.0	.0	3	4.0	8.0
0	.0	24.0	8.0	.0	8	4.0	28.0
-1	.0	4.0	4.0	.0	2	.0	8.0
-2	4.0	4.0	.0	.0	2	4.0	4.0
-3	4.0	8.0	.0	.0	3	.0	12.0
-4	4.0	4.0	.0	.0	2	.0	8.0
TOTAL	4	12	8	1	25	3	22
PCT	16.0	48.0	32.0	4.0	100.0	12.0	88.0

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	20.0	20.0	.0	.0	.0	.0	40.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	20.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	2.5	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	40.0	22.5	.0	.0	.0	.0	62.5	

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+	1-3		4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	7.5	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	10.0	7.5	.0	.0	.0	17.5	.0	.0	.0	.0	.0	.0	.0	.0	

PERIOD: (OVER-ALL) 1963-1970

JANUARY

AREA 0021 TRINIDADE
19.65 29.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	20.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	20.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
41	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	30.0	20.0	.0	.0	.0	50.0	
3-4	.0	40.0	.0	.0	.0	.0	40.0	
5-6	.0	.0	10.0	.0	.0	.0	10.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	70.0	30.0	.0	.0	.0	100.0	10

PERIOD: (OVER-ALL) 1950-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	35.7	21.4	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9
6-7	.0	.0	7.1	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
8-9	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12-13	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	0	5	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
PCT	.0	35.7	42.9	21.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1876-1976
(OVER-ALL) 1857-1976

AREA 0021 TRINIDADE
19.93 29.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 03 TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	.0	.0	92.3
E	.0	.0	.0	.0	.0	.0	.0	.0	17.9	.0	.0	.0	.0	.0	82.1
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	88.2
TOT OBS:	17														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 03 TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	
00003	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	66.7
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	.0	.0	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	83.3
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	11.8	.0	.0	.0	.0	.0	88.2
TOT OBS:	17														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.4	5.6	2.3	.3	.0	.0		9.6	8.4		.0	4.7	8.0	8.2	25.0	11.8	13.6	8.8
NE	2.2	20.3	13.4	1.0	.0	.0		37.0	10.2		31.3	32.1	36.2	42.9	25.0	40.9	39.2	32.4
E	2.3	16.8	22.0	2.5	.0	.0		43.6	11.9		68.8	50.0	47.8	42.9	50.0	39.1	40.9	41.2
SE	.0	2.1	3.4	.4	.0	.0		5.8	13.4		.0	10.4	5.8	3.1	.0	3.6	6.8	8.8
S	.0	1.3	.3	.0	.0	.0		1.6	7.6		.0	2.8	.0	1.0	.0	.9	3.4	2.9
SW	.0	.1	.0	.0	.0	.0		.1	5.0		.0	.0	.0	.0	.0	.3	.0	.0
W	.0	.4	.0	.0	.0	.0		.4	5.0		.0	.0	.0	.0	.0	.5	.0	2.0
NW	.0	1.0	.1	.0	.0	.0		1.2	7.6		.0	.0	.7	2.0	.0	2.7	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0		.0	.0	1.4	.0	.0	.0	.0	3.9
TOT OBS	26	184	160	16	0	0	386		10.8		4	53	69	49	6	110	44	51
TOT PCT	6.7	47.7	41.5	4.1	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	03	06	12	18
N	4.7	3.8	1.2	.0	.0			9.6	8.4		4.4	8.1	12.5	11.1	
NE	8.8	23.8	4.3	.1	.0			37.0	10.2		32.0	39.0	40.1	33.7	
E	7.4	27.0	8.7	.5	.0			43.6	11.9		51.3	45.8	39.7	41.1	
SE	.6	3.1	1.9	.1	.0			5.8	13.4		9.6	4.7	3.4	7.9	
S	.8	.8	.0	.0	.0			1.6	7.6		2.6	.4	.9	3.2	
SW	.1	.0	.0	.0	.0			.1	5.0		.0	.0	.4	.0	
W	.4	.0	.0	.0	.0			.4	5.0		.0	.0	.4	1.1	
NW	.5	.6	.0	.0	.0			1.2	7.6		.0	1.3	2.6	.0	
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
CALM	.8							.8	.0		.0	.8	.0	2.1	
TOT OBS	93	228	62	3	0	386			10.8		57	118	116	95	
TOT PCT	24.1	59.1	16.1	.8	.0			100.0			100.0	100.0	100.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1878-1976
(OVER-ALL) 1857-1976

AREA 0021 TRINIDADE
19.93 29.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.0	7.0	43.9	43.9	5.3	.0	.0	.0	11.4	100.0	37
06009	.8	5.9	44.1	44.1	5.1	.0	.0	.0	11.0	100.0	118
12015	.0	4.3	45.7	44.8	5.2	.0	.0	.0	11.5	100.0	116
18021	2.1	7.4	56.8	32.6	1.1	.0	.0	.0	9.1	100.0	93
TOT	3	23	184	160	16	0	0	0	10.8		386
PCT	.8	6.0	47.7	41.5	4.1	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8-6	TOTAL OBS	MEAN CLOUD COVER
N	12.5	.0	.0	.0		1.0
NE	12.5	10.4	.0	.0		2.2
E	16.7	31.3	8.3	8.3		3.7
SE	.0	.0	.0	.0		.0
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	5	1	1	12	3.0
TOT PCT	41.7	41.7	8.3	8.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.9
E	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	.0	47.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0
TOT PCT	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	83.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6000	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>4000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>3000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>2000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>1000	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
>600	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>300	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>150	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 12

PCT FREQ NH <5/8: 83.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
.0	25.0	25.0	33.3	.0	8.3	.0	.0	8.3	.0	12

FEBRUARY

PERIOD: (PRIMARY) 1878-1976
(OVER-ALL) 1857-1976AREA 0021 TRINIDADE
19.35 29.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	
	TOT %	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	17.6	19.1	57.4	.0	.0	.0	.0	.0	.0	.0	94.1	
	TOT %	17.6	19.1	57.4	.0	.0	.0	.0	.0	.0	.0	94.1	
TOT OBS													
TOT PCT													
		23.5	19.1	57.4	.0	.0	.0	.0	.0	.0	.0	100.0	17

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
	4-10	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	4.3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	8.7	
10+	0-3	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
	4-10	15.2	6.5	13.0	.0	2.2	2.2	.0	.0	.0	.0	39.1	
	11-21	6.5	12.0	29.3	.0	.0	.0	.0	.0	.0	.0	47.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	21.7	22.8	42.4	.0	2.2	2.2	.0	.0	.0	.0	91.3	
TOT OBS													
TOT PCT													
		26.1	27.2	42.4	.0	2.2	2.2	.0	.0	.0	.0	100.0	23

FEBRUARY

PERIOD: (PRIMARY) 1874-1976
(OVER-ALL) 1857-1976AREA 0021 TRINIDADE
19.55 29.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	25.0	.0	.0	25.0	.0	.0	.0	50.0	50.0	4
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
TOT	0	0	0	1	0	0	1	0	0	0	2	10	12
PCT	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	.0	100.0	4
06009	.0	.0	.0	.0	20.0	80.0	5
12015	.0	.0	.0	.0	.0	100.0	7
18021	.0	.0	.0	.0	14.3	85.7	7
TOT	0	0	0	0	2	21	23
PCT	.0	.0	.0	.0	8.7	91.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	100.0	2
12015	.0	.0	25.0	25.0	50.0	4
18021	.0	.0	.0	.0	100.0	3
TOT	0	0	1	1	10	12
PCT	.0	.0	8.3	8.3	83.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	6.3	.0	.0	1	6.3
80/84	.0	.0	.0	.0	12.5	31.3	.0	6.3	8	50.0
75/79	.0	.0	.0	.0	.0	31.3	12.5	.0	7	43.8
TOTAL	0	0	0	0	2	11	2	1	16	100.0
PCT	.0	.0	.0	.0	12.5	68.8	12.5	6.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
12.5	7.8	29.7	.0	.0	.0	.0	.0	.0	.0
3.1	9.4	31.3	.0	.0	.0	.0	.0	.0	.0
21.9	17.2	60.9	.0	.0	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	81	78	75	70	70	78.1	55
06009	84	83	82	79	75	68	68	78.4	112
12015	89	88	87	82	78	72	72	81.9	116
18021	90	87	86	80	75	70	70	79.8	94
TOT	90	87	85	80	76	70	68	79.8	377

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	66.7	33.3	.0	77	3
06009	.0	.0	.0	100.0	.0	.0	75	3
12015	.0	.0	25.0	50.0	.0	25.0	79	4
18021	.0	.0	16.7	66.7	16.7	.0	77	6
TOT	0	0	2	11	2	1	77	16

FEBRUARY

PERIOD: (PRIMARY) 1878-1976
(OVER-ALL) 1857-1976

TABLE 17

AREA 0021 TRINDADE
19.55 29.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	W0 FCG
9/10	.0	.0	.0	.0	5.9	1	.0	5.9
2	.0	.0	11.8	.0	.0	2	.0	11.8
1	.0	5.9	5.9	.0	.0	2	.0	11.8
0	.0	17.6	5.9	.0	.0	4	.0	23.5
-1	.0	11.8	5.9	.0	.0	3	.0	17.6
-2	.0	17.6	.0	.0	.0	3	.0	17.6
-3	5.9	5.9	.0	.0	.0	2	.0	11.8
TOTAL	1	10	5	0	1	17	0	17
PCT	5.9	58.8	29.4	.0	5.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	5.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	5.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	20.0	55.0	.0	.0	.0	75.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	20.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	20.0	75.0	.0	.0	.0	95.0	.0	.0	.0	.0	.0	.0	.0

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY

AREA 0021 TRINDADE
19.53 29.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	20.0	60.0	.0	.0	.0	80.0	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	20.0	.0	.0	.0	20.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	20.0	80.0	.0	.0	.0	100.0	5

PERIOD: (OVER-ALL) 1950-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
6-7	.0	.0	10.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
8-9	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	3
TOTAL	.0	0	6	.0	4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
PCT	.0	.0	60.0	.0	40.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MARCH

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1855-1967

AREA 0021 TRINIDADE
19.35 29.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WFA
N	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	84.6
NE	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	7.4	.0	.0	.0	81.5
E	.0	.0	.0	.0	.0	.0	.0	.0	8.5	.0	.0	.0	.0	.0	91.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.9	.0	.0	.0	.0	.0	5.9	2.9	.0	2.9	.0	.0	.0	88.2
TOT OBS:	34														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WFA
0000	.0	10.0	.0	.0	.0	.0	.0	10.0	10.0	.0	10.0	.0	.0	.0	70.0
0600	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
1200	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
1800	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	5.9	.0	.0	.0	.0	.0	5.9	2.9	.0	2.9	.0	.0	.0	88.2
TOT OBS:	34														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	1.2	10.6	2.7	.3	.0	.0	14.8	8.4	7.1	9.6	13.7	15.2	.0	16.2	18.8	13.8		
NE	2.9	15.7	8.0	1.4	.0	.0	28.0	9.5	28.6	30.8	25.0	32.1	50.0	25.2	29.2	29.0		
E	2.0	15.8	16.2	1.8	.1	.0	35.9	11.5	28.6	44.2	35.5	40.2	50.0	36.4	31.9	29.0		
SE	.7	3.9	5.7	1.3	.1	.0	11.7	12.9	7.1	9.6	14.1	9.8	.0	12.6	9.0	14.5		
S	.5	.4	1.1	.0	.0	.0	2.0	9.6	7.1	.0	4.7	.0	.0	2.6	.0	2.9		
SW	.5	.0	.2	.0	.0	.0	.7	5.1	.0	.0	2.3	.0	.0	1.3	.0	.0		
W	.1	.3	.0	.0	.0	.0	.4	4.2	.0	.0	.8	.0	.0	.3	.0	1.4		
NW	1.1	2.3	.3	.1	.0	.0	3.8	6.6	21.4	.0	2.3	.9	.0	2.6	8.3	6.5		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	2.7						2.7	.0	.0	5.8	1.6	1.8	.0	2.6	2.8	2.9		
TOT OBS	56	233	163	23	1	.0	476	10.0	7	52	64	56	5	191	72	69		
TOT PCT	11.8	48.9	34.7	4.8	.2	.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	6.1	7.5	1.2	.0	.0		14.8	8.4	9.3	14.4	15.7	16.3
NE	9.3	15.3	3.5	.0	.0		28.0	9.5	30.5	28.3	26.0	29.1
E	7.6	20.3	7.7	.3	.0		35.9	11.5	42.4	37.7	36.9	30.5
SE	2.3	5.9	2.9	.5	.0		11.7	12.9	9.3	12.1	12.2	11.7
S	.8	.7	.4	.0	.0		2.0	9.6	.8	2.5	2.6	1.4
SW	.5	.2	.0	.0	.0		.7	5.1	.0	1.3	1.3	.0
W	.4	.0	.0	.0	.0		.4	4.2	.0	.4	.3	.7
NW	2.3	1.2	.3	.0	.0		3.8	6.6	2.5	1.7	2.6	7.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	2.7						2.7	.0	5.1	1.7	2.6	2.8
TOT OBS	193	243	76	4	0	476		10.0	59	120	156	141
TOT PCT	32.1	51.1	16.0	.8	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1859-1967

MARCH

AREA 0021 TRINIDADE
19.95 29.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	5.1	6.8	49.2	32.2	6.8	.0	.0	.0	10.4	100.0	59
06009	1.7	6.7	45.8	40.0	5.8	.0	.0	.0	10.8	100.0	120
12015	2.6	9.6	44.9	37.8	4.5	.6	.0	.0	10.3	100.0	156
18021	2.8	11.3	56.0	26.2	3.5	.0	.0	.0	8.9	100.0	141
TOT	13	43	233	163	23	1	0	10.0			476
PCT	2.7	9.0	48.9	34.2	4.8	.2	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.6	1.9	1.9	.0		3.0
NE	4.6	24.1	8.3	3.7		4.1
E	7.4	11.1	13.9	.0		3.9
SE	5.6	.0	.0	.0		.3
S	1.9	.0	.0	.0		1.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	7.4	3.7	1.9	.0		2.5
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	8	11	7	1	27	3.5
TOT PCT	29.6	40.7	25.9	3.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.5	
NE	3.7	.0	.0	.0	.0	.9	.0	.0	.0	.0	36.1	
E	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	25.9	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.6	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	0	0	0	2	0	0	0	0	24	27
TOT PCT	3.7	.0	.0	.0	.0	7.4	.0	.0	.0	.0	88.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	.0	.0	.0	.0	.0	.0	.0	.0
>600	.0	.0	.0	.0	.0	.0	.0	.0
>500	.0	.0	.0	.0	.0	.0	.0	.0
>150	.0	.0	.0	.0	.0	.0	.0	.0
>0	.0	.0	.0	12.0	12.0	12.0	12.0	12.0
TOTAL	2	2	2	3	3	3	3	3

TOTAL NUMBER OF OBS: 25

PCT FREQ NH <5/8: 88.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	3.7	22.2	11.1	37.0	14.8	3.7	3.7	.0	.0	3.7	27

PERIOD: (PRIMARY) 1972-1967
(OVER-ALL) 1855-1967

MARCH

AREA 0021 TRINIDADE
19.55 29.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
	TOT %	.0	3.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	3.1	3.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	9.4
	TOT %	3.1	3.1	3.1	.0	.0	.0	.0	.0	.0	.0	.0	9.4
5<10	PCP	1.6	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.6	4.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	5.5	28.1	33.6	1.6	1.6	.0	.0	10.9	.0	.0	.0	81.3
	TOT %	5.5	28.1	33.6	1.6	1.6	.0	.0	10.9	.0	.0	.0	81.3
TOT OBS		10.2	39.1	36.7	1.6	1.6	.0	.0	10.9	.0	.0	100.0	72
TOT PCT													

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	3.8	3.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	10.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	3.8	3.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	10.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	1.3	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	1.3	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	4.4	23.1	15.0	2.5	1.3	.0	.0	8.8	.0	.0	.0	55.0
	11-21	.0	8.1	19.4	.0	.0	.0	.0	.0	.0	.0	.0	27.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	4.4	31.3	34.4	2.5	1.3	.0	.0	8.8	.0	.0	.0	82.5
TOT OBS		9.4	41.3	36.9	2.5	1.3	.0	.0	8.8	.0	.0	100.0	40
TOT PCT													

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1853-1967

APEA 0021 TRINIDADE
19.5S 29.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00Z03	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	85.7	7
06Z09	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	11.1	88.9	9
12Z15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
18Z21	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	14.3	85.7	7
TOT	1	0	0	0	0	2	0	0	0	0	3	24	27
PCT	3.7	.0	.0	.0	.0	7.4	.0	.0	.0	.0	11.1	88.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00Z03	.0	.0	11.1	11.1	11.1	66.7	9
06Z09	.0	.0	.0	8.3	.0	91.7	12
12Z15	.0	.0	.0	.0	14.3	85.7	7
18Z21	.0	.0	.0	16.7	.0	83.3	12
TOT	0	0	1	4	2	33	40
PCT	.0	.0	2.5	10.0	5.0	82.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00Z03	16.7	16.7	16.7	.0	83.3	6
06Z09	.0	.0	.0	12.5	87.5	8
12Z15	.0	.0	.0	.0	100.0	4
18Z21	.0	.0	.0	14.3	85.7	7
TOT	1	1	1	2	22	25
PCT	4.0	4.0	4.0	8.0	88.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	4.3	.0	.0	.0	1	4.3
80/84	.0	.0	.0	.0	4.3	39.1	8.7	4.3	13	56.5
75/79	.0	.0	.0	.0	.0	30.4	4.3	4.3	9	39.1
TOTAL	0	0	0	0	2	16	3	2	23	100.0
PCT	.0	.0	.0	.0	8.7	69.6	13.0	8.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	4.3	.0	.0	.0	.0	.0	.0	.0	.0
80/84	5.4	22.8	21.7	2.2	2.2	.0	.0	2.2	.0	.0
75/79	4.3	17.4	17.4	.0	.0	.0	.0	.0	.0	.0
TOTAL	9.8	44.6	39.1	2.2	2.2	.0	.0	2.2	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00Z03	82	81	81	78	76	74	74	78.2	56
06Z09	88	83	82	79	75	67	67	78.3	116
12Z15	91	89	86	82	76	71	70	81.3	153
18Z21	86	85	84	80	76	74	73	79.9	133
TOT	91	87	84	80	76	72	67	79.8	458

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00Z03	.0	.0	.0	83.3	16.7	.0	77	6
06Z09	.0	.0	.0	83.3	.0	16.7	78	6
12Z15	.0	.0	16.7	50.0	33.3	.0	76	6
18Z21	.0	.0	20.0	60.0	.0	20.0	75	5
TOT	0	0	2	16	3	2	77	23

PERIOD: (PRIMARY) 1872-1967
(OVER-ALL) 1855-1967

MARCH

AREA 0021 TRINDADE
19.55 29.1W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	W FOG	WC FOG
2	.0	4.2	4.2	4.2	3	.0	12.5
1	.0	4.2	8.3	.0	3	.0	12.5
0	.0	12.5	4.2	.0	4	.0	16.7
-1	.0	20.8	.0	.0	5	.0	20.8
-2	.0	12.5	8.3	.0	5	.0	20.8
-3	.0	4.2	.0	.0	1	.0	4.2
-5	8.3	4.2	.0	.0	3	.0	12.5
TOTAL	2	15	6	1	24	0	24
PCT	8.3	62.5	25.0	4.2	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	30.0	10.0	.0	.0	.0	.0	40.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	2.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	30.0	12.5	.0	.0	.0	.0	42.5

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	10.0
1-2	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	7.5	.0	.0	.0	7.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	10.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	27.5	.0	.0	.0	37.5	.0	.0	10.0	.0	.0	.0	.0	.0	10.0

PERIOD: (OVER-ALL) 1963-1967

MARCH

AREA 0021 TRINIDADE
19.85 29.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	10.0	.0	.0	.0	.0	10.0	
1-2	.0	50.0	10.0	.0	.0	.0	60.0	
3-4	.0	.0	10.0	.0	.0	.0	10.0	
5-6	.0	.0	10.0	.0	.0	.0	10.0	
7	.0	.0	10.0	.0	.0	.0	10.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	60.0	40.0	.0	.0	.0	100.0	10

PERIOD: (OVER-ALL) 1951-1967

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
4-6	.0	27.8	11.1	16.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	3
6-7	.0	.0	11.1	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
8-9	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	5.6	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	2
TOTAL	1	6	5	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	18	4
PCT	5.6	33.3	27.8	22.2	.0	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1854-1967

AREA 0021 TRINIDADE
19.45 28.9W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	22.2	.0	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	21.1	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	78.9
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	4.2	8.3	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	87.5
TOT OBS:	24														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	11.1	11.1	.0	.0	.0	.0	.0	22.2	.0	.0	.0	.0	.0	.0	77.8
TOT PCT	3.8	7.7	.0	.0	.0	.0	.0	11.5	.0	.0	.0	.0	.0	.0	88.5
TOT OBS:	26														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.4	6.6	3.5	.4	.0	.0		11.9	9.6		20.0	16.0	8.6	7.9	16.7	12.3	18.3	8.7
NE	3.5	12.2	6.8	.9	.0	.0		23.4	9.4		40.0	22.2	18.8	26.4	25.0	25.8	24.2	20.9
E	3.4	12.9	13.9	2.1	.0	.0		32.2	11.1		40.0	29.2	31.7	37.1	38.3	32.7	29.2	29.7
SE	1.8	5.5	8.8	.8	.0	.0		16.9	11.7		.0	18.8	23.1	10.7	.0	13.5	15.8	24.6
S	.7	1.0	1.0	.3	.0	.0		3.0	10.4		.0	2.1	2.2	2.9	.0	4.4	1.7	3.6
SW	.2	.3	.5	.2	.0	.0		1.1	12.0		.0	.7	3.8	2.1	.0	.3	.0	.0
W	.2	1.4	.5	.2	.0	.0		2.2	10.1		.0	2.8	1.6	3.6	.0	1.6	1.3	3.6
NW	.2	1.5	1.0	.0	.0	.0		2.7	8.9		.0	2.8	3.8	2.1	.0	3.8	1.3	.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.6							6.6	.0		.0	5.6	6.5	7.1	.0	5.7	8.3	8.7
TOT OBS	95	221	192	26	0	0		534	9.8		5	72	93	70	6	159	60	69
TOT PCT	17.8	41.4	36.0	4.9	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	03	06	12
N	3.7	6.5	1.5	.2	.0		11.9	9.6	16.2	8.3	12.4	13.2
NE	9.3	10.3	3.7	.2	.0		23.4	9.4	23.4	22.1	25.8	22.1
E	9.7	14.3	8.0	.2	.0		32.2	11.1	29.9	34.0	33.6	29.5
SE	3.7	8.8	4.5	.0	.0		16.9	11.7	17.5	17.8	13.0	20.5
S	1.1	1.1	.7	.0	.0		3.0	10.4	1.9	2.5	.2	2.7
SW	.5	.3	.4	.0	.0		1.1	12.0	.6	3.1	.3	.0
W	.9	.9	.2	.2	.0		2.2	10.1	2.6	2.5	1.5	2.5
NW	.9	1.8	.0	.0	.0		2.7	8.9	2.8	3.1	3.6	1.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	6.6						6.6	.0	5.2	6.7	5.5	8.5
TOT OBS	194	235	101	4	0	534	9.8		77	163	165	129
TOT PCT	36.3	44.0	18.9	.7	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1956-1967AREA 0021 TRINDADE
19.43 28.9W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	5.2	11.7	46.8	32.5	3.9	.0	.0	9.3	100.0	77
06009	6.7	9.8	38.7	38.7	6.1	.0	.0	10.1	100.0	163
12015	5.5	9.1	40.0	40.0	5.5	.0	.0	10.5	100.0	185
18021	8.5	15.5	43.4	29.5	3.1	.0	.0	8.7	100.0	129
TOT	35	60	221	192	26	0	0	9.8		534
PCT	6.6	11.2	41.4	36.0	4.9	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	9.5	7.1	4.8	.0		2.5
NE	4.8	4.8	9.5	.0		4.5
E	14.3	21.4	.0	9.5		3.8
SE	.0	4.8	4.8	.0		4.5
S	.0	.0	.0	.0		.0
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	4.8	.0	.0	21	3.0
TOT OBS	6	9	4	2	21	3.7
TOT PCT	28.6	42.9	19.0	9.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	16.7	
NE	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	14.3	
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45.2	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
TOT OBS	0	0	0	0	1	0	1	0	0	0	19	21
TOT PCT	.0	.0	.0	.0	4.8	.0	4.8	.0	.0	.0	90.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
= OR >2000	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
= OR >1000	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >600	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >300	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >150	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
= OR >0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 22

PCT FREQ NH <5/8: 90.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	8.3	20.8	33.3	12.5	12.5	8.3	.0	4.2	.0	.0	24

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 185A-1967

APRIL

AREA 0021 TRINIDADE
19.45 28.94

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2	.0
	TOT %	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2	.0
10+	PCP	4.2	.0	8.3	.0	.0	.0	.0	.0	.0	.0	12.5	.0
	NO PCP	14.6	20.8	31.3	8.3	.0	.0	3.1	1.0	.0	4.2	83.3	.0
	TOT %	18.8	20.8	39.6	8.3	.0	.0	3.1	1.0	.0	4.2	95.8	.0
TOT OBS													
TOT PCT													
		18.8	20.8	39.6	8.3	.0	4.2	3.1	1.0	.0	4.2	100.0	24

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	3.3	.0
	11-21	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	3.3	.0	.0	.0	3.3	.0	.0	.0	.0	6.7	.0
10+	0-3	.0	3.3	3.3	3.3	.0	.0	.0	.0	.0	3.3	13.3	.0
	4-10	15.0	5.0	23.3	6.7	.0	.0	2.5	.8	.0	.0	43.3	.0
	11-21	.0	8.3	5.0	3.3	.0	.0	.0	.0	.0	.0	16.7	.0
	22+	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0
	TOT %	15.0	16.7	41.7	13.3	.0	.0	2.5	.8	.0	3.3	93.3	.0
TOT OBS													
TOT PCT													
		15.0	20.0	41.7	13.3	.0	3.3	2.5	.8	.0	3.3	100.0	30

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1854-1967AREA 0021 TRINIDADE
19.45 28.9W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	5
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	6
18021	.0	.0	.0	.0	12.5	.0	12.5	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	0	1	0	1	0	0	0	2	21	23
PCT	.0	.0	.0	.0	4.3	.0	4.3	.0	.0	.0	8.7	91.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	16.7	83.3	6
06009	.0	.0	.0	.0	11.1	88.9	9
12015	.0	.0	.0	.0	.0	100.0	7
18021	.0	.0	.0	.0	.0	100.0	10
TOT	0	0	0	0	2	30	32
PCT	.0	.0	.0	.0	6.3	93.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	5
06009	.0	.0	.0	.0	100.0	4
12015	.0	.0	.0	.0	100.0	5
18021	.0	.0	.0	25.0	75.0	8
TOT	0	0	0	2	20	22
PCT	.0	.0	.0	9.1	90.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	23.8	9.5	4.8	4.8	9	42.9
75/79	.0	.0	.0	.0	.0	14.3	23.8	19.0	12	37.1
TOTAL	0	0	0	0	5	5	6	5	21	100.0
PCT	.0	.0	.0	.0	23.8	23.8	28.6	23.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	16.7	11.9	14.3	.0	.0	.0	.0	.0	.0	.0
75/79	4.8	11.9	26.2	9.5	.0	.0	.0	.0	.0	4.8
TOTAL	21.4	23.8	40.5	9.5	.0	.0	.0	.0	.0	4.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	81	78	75	73	73	77.7	72
06009	83	82	81	78	74	69	66	77.6	149
12015	94	91	87	80	76	75	72	80.9	159
18021	95	88	84	75	73	73	73	79.6	117
TOT	95	89	85	79	73	72	66	79.1	497

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	20.0	40.0	40.0	86	5
06009	.0	.0	.0	60.0	40.0	.0	77	5
12015	.0	.0	50.0	33.3	.0	16.7	73	6
18021	.0	14.3	28.6	.0	28.6	28.6	79	7
TOT	0	1	5	6	6	5	79	23

APRIL

PERIOD: (PRIMARY) 1870-1967
(OVER-ALL) 1856-1967AREA 0021 TRINIDADE
19.45 28.9W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT FOG	W FOG	WD FOG
5	.0	.0	.0	5.0	1	.0	5.0
3	.0	.0	5.0	.0	1	.0	5.0
2	.0	5.0	.0	.0	1	.0	5.0
1	.0	.0	10.0	.0	2	.0	10.0
0	.0	5.0	.0	.0	1	.0	5.0
-1	.0	.0	5.0	.0	1	.0	5.0
-2	.0	25.0	10.0	.0	7	.0	35.0
-3	.0	5.0	.0	.0	1	.0	5.0
-4	5.0	5.0	.0	.0	2	.0	10.0
-5	5.0	10.0	.0	.0	3	.0	15.0
TOTAL	2	11	6	1	20	0	20
PCT	10.0	55.0	30.0	5.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	33.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	33.3

PERIOD: (OVER-ALL) 1963-1967

APRIL
TABLE 18 (CONT)AREA 0021 TRINIDADE
19.4S 28.9W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	25.0	.0	.0	.0	.0	25.0	.0	8.3	.0	.0	.0	.0	8.3	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	25.0	.0	.0	.0	.0	25.0	.0	8.3	.0	.0	.0	.0	8.3	66.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	33.3	33.3	.0	.0	.0	.0	66.7	
1-2	.0	33.3	.0	.0	.0	.0	33.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	33.3	66.7	.0	.0	.0	.0	100.0	3

PERIOD: (OVER-ALL) 1952-1967

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	6.3	18.8	18.8	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
6-7	.0	.0	6.3	18.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
8-9	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	8
10-11	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	1	3	4	5	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	16	4
PCT	6.3	18.8	25.0	31.3	.0	6.3	12.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

MAY

AREA 0021 TRINIDADE
20.05 28.64

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	3.8	.0	.0	.0	.0	.0	3.8	.0	.0	11.5	.0	.0	.0	84.6
E	11.3	23.9	.0	.0	.0	.0	.0	35.2	.0	.0	8.5	.0	.0	.0	56.3
SE	10.3	2.6	.0	.0	.0	.0	.0	12.8	.0	.0	10.3	.0	.0	.0	76.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	50.0	.0	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	44.4	.0	.0	.0	.0	.0	.0	44.4	.0	.0	.0	.0	.0	.0	55.6
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	10.4	10.4	.0	.0	.0	.0	.0	20.8	.0	.0	8.3	.0	.0	.0	70.8
TOT OBS:	48														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	20.0	10.0	.0	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	70.0
0600	8.3	16.7	.0	.0	.0	.0	.0	25.0	.0	.0	8.3	.0	.0	.0	66.7
1200	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	.0	75.0
1800	10.5	5.3	.0	.0	.0	.0	.0	15.8	.0	.0	10.5	.0	.0	.0	73.7
TOT PCT	10.2	10.2	.0	.0	.0	.0	.0	20.4	.0	.0	8.2	.0	.0	.0	71.4
TOT OBS:	49														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.8	5.7	3.0	.9	.0	.0		10.4	10.5		.0	8.3	10.1	9.9	25.0	11.4	12.7	9.3
NE	2.1	11.4	5.9	.4	.0	.0		19.8	9.1		14.3	16.1	17.4	23.3	58.3	23.1	19.7	15.9
E	2.0	11.9	10.9	2.2	.1	.0		27.1	11.8		39.3	28.1	32.2	28.4	16.7	24.8	28.0	23.8
SE	1.2	6.5	8.8	2.2	.1	.0		18.8	13.1		25.0	20.2	16.3	18.5	.0	19.6	17.4	19.7
S	.9	4.0	3.2	1.3	.2	.1		9.6	13.1		7.1	11.2	9.3	9.5	.0	9.4	7.2	11.7
SW	.8	1.8	1.1	.9	.2	.0		4.7	12.9		14.3	8.6	3.5	2.2	.0	3.3	5.3	7.6
W	.2	1.4	1.0	.0	.0	.0		2.5	9.3		.0	2.9	3.9	1.7	.0	3.0	2.7	1.0
NW	.4	2.0	1.2	.3	.0	.0		3.9	9.8		.0	2.5	4.3	3.9	.0	3.5	4.0	5.5
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.1							3.1	.0		.0	4.1	3.1	2.6	.0	1.9	3.0	5.5
TOT OBS	107	412	323	75	5	1	923		11.0		7	121	129	116	3	270	132	145
TOT PCT	11.6	44.6	35.0	8.1	.5	.1		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	3.5	4.7	2.1	.1	.0			10.4	10.5		7.8	10.0	11.5	10.9
NE	7.2	10.5	2.2	.0	.0			19.8	9.1		16.0	20.2	23.4	17.7
E	6.0	14.3	6.1	.8	.0			27.1	11.8		28.7	30.4	24.7	23.8
SE	3.5	8.0	7.0	.2	.0			18.8	13.1		20.5	17.3	19.4	18.6
S	2.2	4.3	2.7	.3	.2			9.6	13.1		10.9	9.4	9.3	9.6
SW	1.6	1.6	1.0	.4	.1			4.7	12.9		7.0	2.9	3.3	6.5
W	1.0	1.2	.3	.0	.0			2.5	9.3		2.7	2.9	2.9	1.8
NW	1.6	1.6	.6	.1	.0			3.9	9.8		2.3	4.1	3.5	4.8
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0
CALM	3.1							3.1	.0		3.9	2.9	1.8	4.3
TOT OBS	275	426	202	17	3	923			11.0		128	243	273	277
TOT PCT	29.8	46.2	21.9	1.8	.3			100.0			100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1869-1975AREA 0021 TRINIDADE
20.05 28.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	3.9	9.4	36.7	39.1	10.9	.0	.0	11.7	100.0	128
06009	2.9	9.0	46.5	31.8	9.0	.4	.4	11.1	100.0	245
12015	1.8	8.8	43.6	37.0	8.1	.7	.0	11.2	100.0	273
18021	4.3	7.2	47.7	33.9	6.1	.7	.0	10.5	100.0	277
TOT	29	78	412	323	75	5	1	11.0		923
PCT	3.1	8.5	44.6	35.0	8.1	.5	.1	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	3.3	6.5	.0		3.0
NE	15.2	7.6	1.1	.0		2.1
E	19.6	2.2	.0	3.3		2.4
SE	6.5	4.3	.0	5.4		3.4
S	2.2	.0	.0	.0		.0
SW	.0	.0	.0	4.3		8.0
W	.0	.0	4.3	.0		7.0
NW	.0	.0	14.1	.0		5.7
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	4	6	3	23	3.6
TOT PCT	43.5	17.4	26.1	13.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) NH >4/8
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.8	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.9	
E	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	21.7	
SE	.0	.0	1.1	.0	4.3	.0	.0	.0	.0	.0	10.9	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.2	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.3	
W	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	9.8	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	0	3	0	0	0	0	0	19	23
TOT PCT	.0	.0	4.3	.0	13.0	.0	.0	.0	.0	.0	82.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >4000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2500	.0	4.5	4.5	4.5	9.1	9.1	9.1	9.1
= OR >2000	.0	4.5	4.5	4.5	9.1	9.1	9.1	9.1
= OR >1500	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
= OR >1000	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
= OR >500	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
= OR >0	.0	9.1	9.1	9.1	13.6	13.6	13.6	13.6
TOTAL	0	2	2	2	3	3	3	3

TOTAL NUMBER OF OBS: 22

PCT FREQ NH <5/8: 86.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
16.7	37.5	8.3	16.7	4.2	8.3	4.2	.0	4.2	24

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

MAY

AREA 0021 TRINIDADE
20.05 28.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	2.1	
	NO PCP	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	2.1	
	TOT %	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	4.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1	
5<10	PCP	.0	1.0	8.9	.5	.0	.0	.0	2.1	.0	.0	12.5	
	NO PCP	1.0	9.4	12.5	6.3	.0	.0	.0	.0	.0	.0	29.2	
	TOT %	1.0	10.4	21.4	6.8	.0	.0	.0	2.1	.0	.0	41.7	
10+	PCP	.0	.0	4.2	.0	.0	.0	.0	.0	.0	.0	4.2	
	NO PCP	4.7	16.7	11.5	9.4	1.0	2.1	.0	2.6	.0	.0	47.9	
	TOT %	4.7	16.7	15.6	9.4	1.0	2.1	.0	2.6	.0	.0	52.1	
TOT OBS													48
TOT PCT		5.7	27.1	37.0	20.3	1.0	4.2	.0	4.7	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	2.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	2.9	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	1.4	
	22+	.7	.0	.0	.0	.0	.0	.7	.0	.0	.0	1.4	
	TOT %	.7	.0	.0	.0	.0	1.4	.7	.0	.0	.0	2.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.7	4.3	7.6	3.3	.0	.0	.0	.0	.0	.0	15.9	
	11-21	.0	2.9	7.2	1.4	.0	.0	.0	1.4	.0	.0	13.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.7	7.2	14.9	4.7	.0	.0	.0	1.4	.0	.0	29.0	
10+	0-3	.0	1.4	1.4	.0	.0	.0	.0	.0	.0	1.4	4.2	
	4-10	2.9	9.1	4.3	1.4	2.9	.0	.0	1.4	.0	.0	21.7	
	11-21	2.9	4.0	5.1	4.3	1.4	1.4	.0	1.1	.0	.0	20.3	
	22+	.7	.0	.0	1.4	5.8	10.1	.0	.7	.0	.0	18.8	
	TOT %	6.2	14.5	10.9	7.2	10.1	11.6	.0	3.3	.0	1.4	65.2	
TOT OBS													69
TOT PCT		7.6	21.7	25.7	14.9	10.1	13.0	.0	3.4	.0	1.4	100.0	

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

TABLE 10

AREA 0021 TRINDADE
20.05 28.6WPERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	12.5	.0	.0	.0	.0	.0	.0	.0	12.5	87.5	8
06009	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	40.0	60.0	5
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
18021	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	14.3	85.7	7
TOT	0	0	1	0	3	0	0	0	0	0	4	20	24
PCT	.0	.0	4.2	.0	12.5	.0	.0	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	7.1	28.6	64.3	14
06009	.0	.0	.0	5.9	52.9	41.2	17
12015	.0	.0	.0	.0	18.2	81.8	11
18021	.0	7.1	.0	.0	17.9	75.0	28
TOT	0	2	0	2	20	46	70
PCT	.0	2.9	.0	2.9	28.6	65.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	14.3	28.6	.0	71.4	7
06009	.0	.0	.0	25.0	75.0	4
12015	.0	.0	.0	.0	100.0	4
18021	.0	14.3	14.3	.0	85.7	7
TOT	0	2	3	1	18	22
PCT	.0	9.1	13.6	4.5	81.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	3.0	6.1	3.0	.0	.0	4	12.1
75/79	.0	.0	.0	.0	27.3	45.5	3.0	6.1	27	81.8
70/74	.0	.0	.0	.0	.0	.0	3.0	3.0	2	6.1
TOTAL	0	0	0	1	11	16	2	3	33	100.0
PCT	.0	.0	.0	3.0	33.3	48.5	6.1	9.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	7.6	4.5	.0	.0	.0	.0	.0	.0	.0
75/79	5.3	29.5	34.1	12.9	.0	.0	.0	.0	.0	.0
70/74	.0	.0	3.0	1.5	1.5	.0	.0	.0	.0	.0
TOTAL	5.3	37.1	41.7	14.4	1.5	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	79	75	71	68	63	75.3	121
06009	85	80	79	76	72	70	64	75.8	233
12015	90	86	83	78	73	71	69	78.0	270
18021	88	84	82	77	72	70	68	76.9	265
TOT	90	84	82	77	72	70	64	76.7	889

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	10.0	.0	50.0	20.0	20.0	78	10
06009	.0	.0	37.5	50.0	.0	12.5	74	8
12015	.0	.0	50.0	50.0	.0	.0	71	6
18021	.0	.0	50.0	50.0	.0	.0	70	10
TOT	0	1	11	17	2	3	73	34

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975

MAY

TABLE 17

AREA 0021 TRINIDADE
20.05 28.6W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	TOT	W FOG	WG FOG
4	.0	.0	2.4	1	.0	2.4
2	.0	.0	4.8	2	.0	4.8
0	.0	9.5	11.9	9	2.4	19.0
-1	.0	11.9	21.4	14	2.4	31.0
-2	.0	14.3	9.5	10	2.4	21.4
-3	.0	7.1	2.4	4	2.4	7.1
-5	2.4	2.4	.0	2	.0	4.8
TOTAL	1	19	22	42	4	38
PCT	2.4	45.2	52.4	100.0	9.5	90.5

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	10.0	.0	.0	.0	10.0	6.7	.0	1.7	.0	.0	.0	8.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	.0	.0	.0	13.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	10.0	.0	.0	.0	10.0	6.7	.0	15.0	.0	.0	.0	21.7

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7	.0	.0	13.3	.0	.0	.0	13.3
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	6.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	6.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	.0	.0	.0	.0	6.7	.0	.0	26.7	.0	.0	.0	26.7

PERIOD: (OVER-ALL) 1963-1975

MAY

AREA 0021 TRINIDADE
20.0S 28.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	1.7	.0	.0	.0	.0	8.3	.0
3-4	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	13.3	.0	.0	.0	.0	13.3	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	6.7	15.0	.0	.0	.0	.0	21.7	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.3	.0	.0	.0	.0	.0	6.3	
1-2	6.3	12.5	31.3	.0	.0	.0	50.0	
3-4	.0	.0	37.5	.0	.0	.0	37.5	
5-6	.0	.0	6.3	.0	.0	.0	6.3	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	12.5	12.5	75.0	.0	.0	.0	100.0	16

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	40.9	13.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	2
6-7	.0	.0	.0	13.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
8-9	.0	.0	18.2	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
10-11	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
TOTAL	.0	10	8	4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	3
PCT	.0	45.5	36.4	18.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

TABLE 1

AREA 0021 TRINIDADE
20.15 28.5W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE															OTHER WEATHER PHENOMENA				
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA				
N	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0				
NE	.0	23.5	.0	.0	.0	.0	.0	23.5	23.5	.0	.0	.0	.0	.0	52.9				
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0				
TOT OBS:	23																		

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	88.9
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
TOT PCT TOT OBS:	.0 23	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21	
N	.5	5.3	1.5	.2	.3	.0		7.8	10.1	.0	7.3	7.2	7.9	.0	9.2	6.2	7.8	
NE	1.6	8.9	6.0	.9	.0	.0		17.4	10.5	12.5	18.8	22.6	18.0	.0	13.7	13.7	16.7	
E	1.3	11.1	16.1	2.8	.0	.0		31.3	12.8	12.5	30.2	30.8	32.3	58.3	30.5	32.2	32.8	
SE	1.1	6.8	10.2	1.5	.0	.0		19.6	12.5	30.0	17.2	19.7	21.0	41.7	21.4	17.8	16.7	
S	.9	1.9	5.8	1.8	.0	.0		10.5	14.6	25.0	12.5	9.6	9.1	.0	10.0	11.6	10.4	
SW	.4	1.9	2.5	.9	.2	.0		5.8	14.5	.0	6.8	5.8	6.7	.0	4.1	9.6	5.2	
W	.3	1.3	.5	.2	.4	.0		2.6	14.7	.0	1.0	1.4	3.0	.0	3.5	2.7	3.6	
NW	.5	1.2	1.0	.1	.1	.0		3.0	10.8	.0	3.1	1.0	1.8	.0	4.1	3.4	3.6	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.0							2.0	.0	.0	3.1	1.9	.0	.0	1.6	2.7	3.1	
TOT OBS	56	248	280	53	6	0	643		12.1	4	96	104	82	3	185	73	96	
TOT PCT	8.7	38.6	43.5	8.2	.9	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	2.7	4.0	.7	.2	.2		7.8	10.1	7.0	7.5	9.0	7.1	
NE	4.2	10.3	2.7	.2	.0		17.4	10.5	18.5	20.6	15.4	15.4	
E	5.0	16.4	9.8	.2	.0		31.3	12.8	29.5	31.5	31.0	32.5	
SE	3.3	10.5	5.6	.2	.0		19.6	12.5	18.5	20.3	21.7	17.2	
S	1.6	3.9	4.8	.2	.0		10.5	14.6	13.0	9.4	9.8	10.9	
SW	.6	2.7	2.2	.2	.1		5.8	14.5	6.5	6.2	4.0	7.1	
W	.6	1.2	.4	.1	.3		2.6	14.7	1.0	2.2	3.5	3.3	
NW	1.2	.9	.7	.1	.1		3.0	10.8	3.0	1.3	4.0	3.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.0						2.0	.0	3.0	1.1	1.6	3.0	
TOT OBS	136	321	173	9	4	643		12.1	100	186	188	169	
TOT PCT	21.2	49.9	26.9	1.4	.6		100.0		100.0	100.0	100.0	100.0	

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

TABLE 1

AREA 0021 TRINDADE
20.15 28.5W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
NE	.0	23.5	.0	.0	.0	.0	.0	23.5	23.5	.0	.0	.0	.0	.0	52.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0
TOT OBS:	23														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	.0	.0	88.9
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	25.0	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
TOT PCT	.0	8.7	.0	.0	.0	.0	.0	8.7	4.3	.0	.0	.0	.0	.0	87.0
TOT OBS:	23														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.5	5.3	1.5	.2	.3	.0		7.8	10.1		.0	7.3	7.2	7.9	.0	9.2	6.2	7.8
NE	1.6	8.9	6.0	.9	.0	.0		17.4	10.5		12.5	18.8	22.6	18.0	.0	19.7	13.7	16.7
E	1.3	11.1	16.1	2.8	.0	.0		31.3	12.8		12.5	30.2	30.8	32.3	38.3	30.5	32.2	32.8
SE	1.1	6.8	10.2	1.5	.0	.0		19.6	12.5		30.0	17.2	19.7	21.0	41.7	21.4	17.8	16.7
S	.9	1.9	5.8	1.8	.0	.0		10.5	14.6		25.0	12.5	9.6	9.1	.0	10.0	11.6	10.4
SW	.4	1.9	2.5	.9	.2	.0		5.8	14.5		.0	6.8	5.8	6.7	.0	4.1	9.6	5.2
W	.3	1.3	.5	.2	.4	.0		2.6	14.7		.0	1.0	1.4	3.0	.0	3.5	2.7	3.6
NW	.5	1.2	1.0	.1	.1	.0		3.0	10.8		.0	3.1	1.0	1.8	.0	4.1	3.4	3.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0		.0	3.1	1.9	.0	.0	1.6	2.7	3.1
TOT OBS	56	248	280	53	6	0	643		12.1		4	96	104	82	3	185	73	96
TOT PCT	8.7	38.6	43.5	8.2	.9	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40						00	06	12	18
N	2.7	4.0	.7	.2	.2		7.8	10.1		7.0	7.5	9.0	7.1
NE	4.2	10.3	2.7	.2	.0		17.4	10.5		18.5	20.6	15.4	15.4
E	5.0	16.4	9.8	.2	.0		31.3	12.8		29.5	31.5	31.0	32.5
SE	3.3	10.5	5.6	.2	.0		19.6	12.5		18.5	20.3	21.7	17.2
S	1.6	3.9	4.8	.2	.0		10.5	14.6		13.0	9.4	9.8	10.9
SW	.6	2.7	2.2	.2	.1		5.8	14.5		6.5	6.2	4.0	7.1
W	.6	1.2	.4	.1	.3		2.6	14.7		1.0	2.2	3.5	3.3
NW	1.2	.9	.7	.1	.1		3.0	10.8		3.0	1.3	4.0	3.6
VAR	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0
CALM	2.0						2.0	.0		3.0	1.1	1.6	3.0
TOT OBS	136	321	173	9	4	643		12.1		100	186	188	169
TOT PCT	21.2	49.9	26.9	1.4	.6		100.0			100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1972-1969
(OVER-ALL) 1854-1969AREA 0021 TRINIDADE
20.15 28.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	3.0	8.0	33.0	47.0	7.0	2.0	.0	12.8	100.0	100
0600	1.1	8.1	38.7	44.1	6.5	1.6	.0	12.0	100.0	186
1200	1.6	6.4	41.0	41.0	9.6	.5	.0	12.0	100.0	188
1800	3.0	4.7	39.1	43.8	9.5	.0	.0	12.2	100.0	169
TOT	13	43	248	280	53	6	0	12.1		643
PCT	2.0	6.7	38.6	43.5	8.2	.9	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	11.8	1.5	5.9		4.8
E	10.3	11.8	4.4	.0		3.5
SE	7.4	23.5	5.9	.0		3.6
S	5.9	2.9	.0	.0		1.3
SW	.0	2.9	.0	.0		4.0
W	5.9	.0	.0	.0		1.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	5	9	2	1	17	3.4
TOT PCT	29.4	52.9	11.8	5.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		OBS	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	1.5	.0	.0	5.9	.0	.0	.0	.0	.0	.0	11.8
.0	4.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.1
.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	30.9
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8.8
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.9
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.9
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	1	0	0	1	1	0	0	0	0	14	17
.0	5.9	.0	.0	5.9	5.9	.0	.0	.0	.0	82.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	6.3	6.3	6.3	6.3	6.3
>1000	.0	6.3	6.3	12.5	12.5	12.5	12.5	12.5
>600	.0	6.3	6.3	12.5	12.5	12.5	12.5	12.5
>300	.0	6.3	6.3	12.5	12.5	12.5	12.5	12.5
>150	.0	12.5	12.5	18.8	18.8	18.8	18.8	18.8
>0	.0	12.5	12.5	18.8	18.8	18.8	18.8	18.8
TOTAL	0	2	2	3	3	3	3	3

TOTAL NUMBER OF OBS: 16

PCT FREQ NH <5/8: 81.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.9	17.6	23.5	11.8	23.5	5.9	5.9	.0	5.9	.0	17

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

JUNE

AREA 0021 TRINIDADE
20.1S 28.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	4.3	
	TOT %	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0	4.3	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	4.3	4.3	.0	.0	.0	.0	.0	.0	.0	.0	8.7	
	NO PCP	2.2	7.6	12.0	4.3	.0	.0	4.3	.0	.0	.0	30.4	
	TOT %	6.5	12.0	12.0	4.3	.0	.0	4.3	.0	.0	.0	39.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	4.3	6.5	17.4	19.6	6.5	2.2	.0	.0	.0	.0	56.5	
	TOT %	4.3	6.5	17.4	19.6	6.5	2.2	.0	.0	.0	.0	56.5	
TOT OBS													23
TOT PCT		10.9	18.5	29.3	28.3	6.5	2.2	4.3	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	3.0	.0	.0	.0	.0	.0	.0	3.0	6.1	
	4-10	4.3	9.8	6.8	3.0	.0	.0	4.3	1.5	.0	.0	30.3	
	11-21	.0	.0	3.0	.0	.0	.0	.0	.0	.0	.0	3.0	
	22+	.0	3.0	.0	1.5	1.5	.0	.0	.0	.0	.0	6.1	
	TOT %	4.3	12.9	12.9	4.5	1.5	.0	4.3	1.5	.0	3.0	45.5	
10+	0-3	.0	.0	.0	3.0	3.0	.0	3.0	.0	.0	.0	9.1	
	4-10	.0	4.3	6.8	3.8	1.5	1.5	.0	.0	.0	.0	18.2	
	11-21	4.3	4.3	8.3	6.8	.0	.0	.0	.0	.0	.0	24.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	4.3	9.1	15.2	13.6	4.5	1.5	3.0	.0	.0	.0	51.5	
TOT OBS													33
TOT PCT		9.1	22.0	28.0	21.2	6.1	1.5	7.6	1.5	.0	3.0	100.0	

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969AREA 0021 TRINDADE
20.15 28.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	14.3	.0	.0	14.3	.0	.0	.0	.0	.0	28.6	71.4	7
12015	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	25.0	75.0	4
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
TOT	0	1	0	0	1	1	0	0	0	0	3	14	17
PCT	.0	5.9	.0	.0	5.9	5.9	.0	.0	.0	.0	17.6	82.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	66.7	33.3	6
06009	.0	.0	.0	.0	41.7	58.3	12
12015	.0	.0	11.1	.0	33.3	55.6	9
18021	.0	.0	.0	.0	50.0	50.0	6
TOT	0	0	1	0	15	17	33
PCT	.0	.0	3.0	.0	45.5	51.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 3+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	16.7	16.7	16.7	66.7	6
12015	.0	.0	25.0	.0	75.0	4
18021	.0	.0	.0	.0	100.0	3
TOT	0	1	2	1	13	16
PCT	.0	6.3	12.5	6.3	81.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	7.1	.0	.0	1	7.1
75/79	.0	.0	.0	.0	7.1	14.3	28.6	.0	7	50.0
70/74	.0	.0	.0	.0	7.1	14.3	14.3	7.1	6	42.9
TOTAL	0	0	0	0	2	4	7	1	14	100.0
PCT	.0	.0	.0	.0	14.3	28.6	50.0	7.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	5.4	1.8	.0	.0	.0	.0	.0	.0
75/79	14.3	17.9	3.6	7.1	7.1	.0	.0	.0	.0	.0
70/74	3.6	10.7	5.4	23.2	.0	.0	.0	.0	.0	.0
TOTAL	17.9	28.6	14.3	32.1	7.1	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	77	76	76	73	69	60	60	72.9	95
06009	81	78	76	73	69	61	60	73.1	175
12015	84	82	80	75	71	69	65	75.3	182
18021	82	80	78	74	70	68	67	73.8	153
TOT	84	82	79	74	70	67	60	73.9	605

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	33.3	.0	33.3	33.3	.0	.0	80	3
06009	.0	.0	14.3	42.9	42.9	.0	.0	.0	78	7
12015	.0	.0	.0	50.0	50.0	.0	.0	.0	80	2
18021	.0	.0	.0	.0	100.0	.0	.0	.0	86	2
TOT	0	0	2	4	7	1	80	14		

JUNE

PERIOD: (PRIMARY) 1872-1969
(OVER-ALL) 1854-1969

TABLE 17

AREA 0021 TRINIDADE
20.15 28.5WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	TOT FOG	N FOG	NO FOG
0	.0	6.3	12.5	.0	3	.0	18.8
-1	6.3	18.8	.0	6.3	5	.0	31.3
-2	.0	12.5	.0	.0	2	.0	12.5
-3	6.3	29.0	.0	.0	5	.0	31.3
-6	.0	6.3	.0	.0	1	.0	6.3
TOTAL	2	11	2	1	16	0	16
PCT	12.5	68.8	12.5	6.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1969

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	9.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	2.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	9.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	9.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.4	9.1	9.1	.0	.0	.0	29.5

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	9.1	.0	18.2	.0	.0	.0	27.3	.0	.0	9.1	9.1	.0	.0	.0	.0	18.2
3-4	.0	6.8	.0	.0	.0	.0	6.8	.0	.0	9.1	.0	.0	.0	.0	.0	9.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	9.1	6.8	18.2	.0	.0	.0	34.1	.0	18.2	9.1	.0	.0	.0	.0	.0	27.3

PERIOD: (OVER-ALL) 1963-1969

JUNE

AREA 0021 TRINDAD
20.1S 28.5W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	9.1	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	9.1	18.2	27.3	.0	.0	.0	54.5	
3-4	.0	27.3	.0	.0	.0	.0	27.3	
5-6	.0	.0	9.1	.0	.0	.0	9.1	
7	.0	.0	.0	9.1	.0	.0	9.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.1	45.5	36.4	9.1	.0	.0	100.0	11

PERIOD: (OVER-ALL) 1953-1969

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN PCT
<6	.0	21.4	14.3	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6
6-7	.0	7.1	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
8-9	.0	7.1	.0	.0	7.1	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	7.1	.0	.0	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
TOTAL	1	5	4	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	14
PCT	7.1	35.7	28.6	7.1	14.3	.0	7.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

JULY

PERIOD: (PRIMARY) 1868-1970
(OVER-ALL) 1855-1970

TABLE 1

AREA 0021 TRINIDADE
20.03 28.8W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	81.8
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	96.2
S	.0	57.1	.0	.0	.0	.0	.0	57.1	.0	.0	.0	.0	.0	.0	42.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	8.5	.0	.0	.0	87.2
TOT OBS:	47														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06009	.0	12.5	.0	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	.0	75.0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	92.3
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	93.3
TOT PCT	.0	4.3	.0	.0	.0	.0	.0	4.3	.0	.0	8.5	.0	.0	.0	87.2
TOT OBS:	47														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.8	1.9	1.9	.1	.0	.0		4.8	10.3		.0	4.3	3.7	3.3	.0	6.5	5.2	4.3
NE	1.0	7.6	7.7	1.6	.0	.0		17.9	12.4		12.5	17.1	16.5	16.1	39.3	18.3	20.4	17.6
E	.9	9.4	21.0	4.5	.3	.0		36.0	14.4		87.5	34.8	36.2	40.0	32.1	37.3	29.0	36.2
SE	1.6	7.6	9.8	3.9	.4	.0		23.3	13.7		.0	25.6	23.4	21.7	14.3	22.3	25.3	24.5
S	.9	2.4	3.4	1.3	.1	.0		8.0	13.1		.0	8.5	9.2	6.7	.0	8.0	9.8	6.4
SW	.6	1.5	1.6	.7	.0	.0		4.3	12.0		.0	3.7	3.7	4.4	14.3	3.3	5.7	5.9
W	.2	.5	.6	.2	.0	.0		1.6	11.4		.0	.0	1.8	2.2	.0	1.5	1.7	2.1
NW	.6	1.1	.9	.0	.0	.0		2.6	8.7		.0	3.7	2.8	2.2	.0	3.0	2.9	1.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0		.0	2.4	2.8	3.3	.0	.0	.0	2.1
TOT DBS	55	215	314	82	5	0	671		13.1		2	82	109	90	7	200	87	94
TOT PCT	8.2	32.0	46.8	12.2	.7	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	09	12
N	1.3	2.4	1.0	.0	.0		4.8	10.3	4.2	3.5	6.3	4.7	4.7
NE	3.3	9.0	5.1	.6	.0		17.9	12.4	17.0	18.3	19.0	18.9	18.9
E	2.9	18.4	11.8	1.9	.0		36.0	14.4	36.0	37.9	37.1	32.7	32.7
SE	4.2	10.0	8.7	.2	.1		23.3	13.7	25.0	22.6	22.0	24.9	24.9
S	1.7	3.4	2.6	.2	.0		8.0	13.1	8.3	6.0	7.7	8.0	8.0
SW	1.6	1.4	1.2	.1	.0		4.3	12.0	3.6	4.0	3.6	5.8	5.8
W	.5	.7	.3	.0	.0		1.6	11.4	.0	2.0	1.4	1.9	1.9
NW	1.2	1.0	.4	.0	.0		2.6	8.7	3.6	2.5	2.9	1.9	1.9
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	1.5						1.5	.0	2.4	3.0	.0	1.1	1.1
TOT DBS	129	311	209	21	1	671		13.1	84	199	207	181	181
TOT PCT	19.2	46.3	31.1	3.1	.1		100.0		100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1868-1970
(OVER-ALL) 1855-1970

JULY

AREA 0021 TRINIDADE
20.05 28.0W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00603	2.4	7.1	33.3	41.7	14.3	1.2	.0	13.1	100.0	84
06609	3.0	4.0	34.2	46.2	11.6	1.0	.0	13.1	100.0	199
12615	.0	7.7	29.0	49.3	13.5	.5	.0	13.4	100.0	207
18621	1.1	8.3	32.6	47.0	10.5	.6	.0	12.6	100.0	181
TOT	10	45	215	314	82	5	0	13.1		671
PCT	1.5	6.7	32.0	46.8	12.2	.7	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	19.0	6.0	10.7	.0		3.0
E	14.3	3.6	13.1	4.8		4.1
SE	.0	4.8	9.5	.0		3.0
S	.0	4.8	.0	.0		3.0
SW	4.8	.0	.0	.0		2.0
W	4.8	.0	.0	.0		1.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	9	4	7	1	21	3.5
TOT PCT	42.9	19.0	33.3	4.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) NH >4/8
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	19.0	6.0	10.7	.0		.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	33.3	
E	14.3	3.6	13.1	4.8		.0	.0	.0	.0	.0	.0	.0	4.8	2.4	.0	.0	28.6	
SE	.0	4.8	9.5	.0		.0	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	9.5	
S	.0	4.8	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
SW	4.8	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
W	4.8	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.8	
NW	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	9	4	7	1	21	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21
TOT PCT	42.9	19.0	33.3	4.8	100.0		.0	.0	.0	.0	.0	.0	.0	9.5	4.8	.0	85.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>30YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
>3500	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>2000	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>1000	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>600	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>300	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>150	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
>0	9.5	9.5	14.3	14.3	14.3	14.3	14.3	14.3
TOTAL	2	2	3	3	3	3	3	3

TOTAL NUMBER OF OBS: 21

PCT FREQ NH <5/8: 85.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
.0	31.8	18.2	22.7	9.1	9.1	4.5	4.5	.0	.0	22

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PERIOD: (PRIMARY) 1868-1970
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3	
	TOT %	.0	.0	4.3	.0	.0	.0	.0	.0	.0	.0	4.3	
5<10	PCP	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	4.3	
	NO PCP	.0	1.1	17.0	14.9	1.1	.0	.0	.0	.0	.0	34.0	
	TOT %	.0	1.1	17.0	14.9	5.3	.0	.0	.0	.0	.0	38.3	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	18.6	19.7	12.8	2.1	2.1	2.1	.0	.0	.0	57.4	
	TOT %	.0	18.6	19.7	12.3	2.1	2.1	2.1	.0	.0	.0	57.4	
TOT OBS													47
TOT PCT													.0 19.7 41.0 27.7 7.4 2.1 2.1 .0 .0 .0 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	4.1	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	4.1	.0	.0	.0	.0	.0	.0	.0	4.1	.0	
5<10	0-3	.0	1.0	1.0	2.0	.0	.0	.0	.0	.0	.0	4.1	.0	
	4-10	.0	.0	.0	11.2	5.1	.0	.0	.0	.0	.0	16.3	.0	
	11-21	.0	.0	13.3	1.0	.0	.0	.0	.0	.0	.0	14.3	.0	
	22+	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	
	TOT %	.0	1.0	16.3	14.3	5.1	.0	.0	.0	.0	.0	36.7	.0	
10+	0-3	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	
	4-10	.0	10.2	8.2	8.2	.0	.0	.0	.0	.0	.0	26.3	.0	
	11-21	.0	3.6	14.8	4.1	2.0	2.0	2.0	.0	.0	.0	28.6	.0	
	22+	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	
	TOT %	.0	17.9	23.0	12.2	2.0	2.0	2.0	.0	.0	.0	59.2	.0	
TOT OBS														49
TOT PCT														.0 18.9 43.4 26.5 7.1 2.0 2.0 .0 .0 .0 100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	1
06009	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	33.3	66.7	6
12015	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	14.3	85.7	7
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
TOT	0	0	0	0	0	0	2	1	0	0	3	18	21
PCT	.0	.0	.0	.0	.0	.0	9.5	4.8	.0	.0	14.3	85.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	25.0	75.0	4
06009	.0	.0	.0	12.5	50.0	37.5	16
12015	.0	.0	.0	.0	23.1	76.9	13
18021	.0	.0	.0	.0	37.5	62.5	16
TOT	0	0	0	2	18	29	49
PCT	.0	.0	.0	4.1	36.7	59.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	1
06009	.0	.0	16.7	16.7	66.7	6
12015	.0	.0	.0	14.3	85.7	7
18021	.0	.0	.0	.0	100.0	7
TOT	0	0	1	2	18	21
PCT	.0	.0	4.8	9.5	85.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
73/79	.0	.0	.0	7.5	2.5	15.0	.0	.0	10	25.0
70/74	.0	.0	.0	7.5	32.5	15.0	10.0	2.5	27	67.5
65/69	.0	.0	.0	2.5	.0	.0	2.5	2.5	3	7.5
TOTAL	0	0	0	7	14	12	5	2	40	100.0
PCT	.0	.0	.0	17.5	35.0	30.0	12.5	5.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
73/79	.0	10.0	7.5	5.0	.0	2.5	.0	.0	.0	.0
70/74	.0	10.6	25.6	25.0	3.8	.0	2.5	.0	.0	.0
65/69	.0	2.5	.0	2.5	2.5	.0	.0	.0	.0	.0
TOTAL	.0	23.1	33.1	32.5	6.3	2.5	2.5	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	76	75	74	72	68	67	67	71.8	81
06009	81	78	75	72	68	67	66	71.9	189
12015	87	82	78	74	70	66	64	74.2	205
18021	80	78	77	73	69	66	66	73.1	172
TOT	87	80	77	73	69	67	64	72.9	647

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	50.0	.0	50.0	.0	73	2		
06009	.0	7.7	38.5	23.1	15.4	15.4	74	13		
12015	.0	27.3	27.3	45.5	.0	.0	69	11		
18021	.0	21.4	35.7	28.6	14.3	.0	69	14		
TOT	0	7	14	12	5	2	71	40		

PERIOD: (PRIMARY) 1868-1970
(OVER-ALL) 1855-1970

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA Tm. DIF	65 68	69 72	73 76	77 80	TOT	W FOG	WD FOG
5	.0	.0	.0	4.9	2	.0	4.9
3	.0	.0	.0	2.4	1	.0	2.4
2	.0	2.4	4.9	2.4	4	.0	9.8
1	.0	.0	7.3	.0	3	.0	7.3
0	.0	2.4	17.1	2.4	9	4.9	17.1
-1	.0	2.4	12.2	.0	6	4.9	9.8
-2	.0	4.9	4.9	.0	4	.0	9.8
-3	.0	7.3	2.4	.0	4	.0	9.8
-4	2.4	9.8	.0	.0	5	.0	12.2
-5	.0	4.9	.0	.0	2	.0	4.9
-7/-8	2.4	.0	.0	.0	1	.0	2.4
TOTAL	2	14	20	5	41	4	37
PCT	4.9	34.1	48.8	12.2	100.0	9.8	90.2

PERIOD: (OVER-ALL) 1963-1970

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							NE						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	6.7	5.0	.0	.0	.0	11.7
5-6	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	6.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	20.0	5.0	.0	.0	.0	25.0

HGT	E							SE						
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	6.7	41.7	.0	.0	.0	48.3	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.7	.0	.0	.0	6.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.7	41.7	.0	.0	.0	48.3	.0	.0	6.7	.0	.0	.0	6.7

PERIOD: (OVER-ALL) 1963-1970

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TABLE 18 (CONT)

AREA 0021 TRINDADE
20.05 28.8W

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	6.7	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	6.7	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7	.0
3-4	.0	13.3	46.7	.0	.0	.0	60.0	.0
5-6	.0	6.7	26.7	.0	.0	.0	33.3	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	26.7	73.3	.0	.0	.0	100.0	15

PERIOD: (OVER-ALL) 1950-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
6-7	.0	.0	30.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
8-9	.0	.0	.0	15.0	10.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
10-11	.0	.0	.0	.0	.0	10.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
INDET	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
TOTAL	.0	.0	7	6	3	2	1	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	6
PCT	.0	.0	35.0	30.0	15.0	10.0	5.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975AREA 0021 TRINDADE
20.05 18.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	20.3	6.8	.0	.0	.0	.0	.0	27.1	.0	.0	.0	.0	.0	.0	72.9
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	23.5	.0	.0	.0	.0	.0	23.5	.0	.0	23.5	.0	.0	.0	52.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	8.6	5.7	.0	.0	.0	.0	.0	14.3	.0	.0	2.9	.0	.0	.0	82.9
TOT OBS:	35														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	NO SIG WEA
0000	12.5	12.5	.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
0600	9.1	9.1	.0	.0	.0	.0	.0	18.2	.0	.0	9.1	.0	.0	.0	72.7
1200	14.3	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	85.7
1800	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	81.8
TOT PCT	13.5	5.4	.0	.0	.0	.0	.0	18.9	.0	.0	2.7	.0	.0	.0	78.4
TOT OBS:	37														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.1	2.1	1.5	.1	.0	.0		4.8	8.6	23.3	4.1	1.7	4.0	.0	6.9	3.1	5.8	
NE	1.1	6.2	5.1	.6	.0	.0		13.0	10.5	.0	12.7	12.6	12.5	.0	16.7	11.2	9.4	
E	1.2	11.1	20.8	4.8	.5	.0		38.4	14.1	66.7	40.6	41.9	37.5	.0	35.8	39.8	36.7	
SE	1.2	6.6	16.3	4.5	.5	.0		29.1	15.2	.0	29.1	26.9	32.1	100.0	25.9	29.7	33.8	
S	.3	3.4	3.4	.7	.0	.0		7.8	11.9	.0	7.8	9.5	8.9	.0	6.5	7.8	7.7	
SW	.3	1.0	1.1	.2	.0	.0		2.6	10.9	.0	2.5	2.1	3.1	.0	2.4	3.1	2.7	
W	.0	.7	.3	.0	.0	.0		1.0	8.5	.0	2.0	.8	.0	.0	1.3	1.6	.0	
NW	.4	1.3	.9	.2	.0	.0		2.7	9.7	.0	1.2	2.9	1.8	.0	4.1	3.6	1.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.7							.7	.0	.0	.0	1.7	.0	.0	.4	.0	2.3	
TOT OBS	51	264	403	90	8	0	816		13.2	3	122	121	112	1	231	96	130	
TOT PCT	6.3	32.4	49.4	11.0	1.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	06	12	18
N	2.2	1.8	.7	.0	.0			4.8	8.6	4.8	2.8	6.9	4.6	
NE	4.0	6.4	2.6	.0	.0			13.0	10.5	12.4	12.6	16.6	10.2	
E	4.8	19.3	12.4	1.8	.0			38.4	14.1	41.2	39.8	35.7	38.1	
SE	3.2	11.6	13.1	1.2	.0			29.1	15.2	28.4	29.4	26.2	32.1	
S	2.0	4.1	1.2	.5	.0			7.8	11.9	7.6	9.2	6.5	7.7	
SW	1.0	.9	.5	.1	.0			2.6	10.9	2.4	2.6	2.4	2.9	
W	.5	.4	.1	.0	.0			1.0	8.5	2.0	.4	1.3	.7	
NW	1.0	1.3	.4	.0	.0			2.7	9.7	1.2	2.4	4.1	2.4	
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	
CALM	.7							.7	.0	.0	.9	.4	1.3	
TOT OBS	159	375	253	29	0	816			13.2	125	233	232	226	
TOT PCT	19.5	46.0	31.0	3.6	.0	100.0				100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1869-1973
(OVER-ALL) 1854-1973

AREA 0021 TRINDADE
20.05 28.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL DBS
		1-3	4-10	11-21	22-33	34-47				
00003	.0	6.4	32.8	50.4	9.6	.8	.0	12.8	100.0	125
06009	.9	5.2	28.8	51.9	12.0	1.3	.0	13.7	100.0	233
12015	.4	4.3	35.3	45.3	14.2	.4	.0	13.2	100.0	232
18021	1.3	6.6	32.7	50.4	7.5	1.3	.0	12.7	100.0	226
TOT	6	45	264	403	90	8	0	13.2		816
PCT	.7	5.5	32.4	49.4	11.0	1.0	.0		100.0	

TABLE 4

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

BY WIND DIRECTION					MEAN
WIND DIRECTION	0-2	3-4	5-7	8 & OVER	CLOUD COVER
N	12.5	0.0	0.0	0.0	0.0
NE	0.0	3.1	0.0	0.0	4.0
E	37.5	9.4	12.5	0.0	2.3
SE	12.5	0.0	12.5	0.0	3.0
S	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0
VAR	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0
TOT OBS	5	1	2	0	2.2
TOT PCT	62.5	12.5	25.0	0.0	100.0

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH $\geq 4/8$)
AND OCCURRENCE OF NH $\leq 5/8$ BY WIND DIRECTION

[illegible]

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

	VSBY (NM)							
CEILING (FEET)	= OR ≥10	= OR ≥5	= OR ≥2	= OR ≥1	= OR ≥1/2	= OR ≥1/4	= OR ≥50 YD	= OR ≥0
= DR ≥6500	.0	.0	.0	.0	.0	.0	.0	.0
= DR ≥5000	.0	.0	.0	.0	.0	.0	.0	.0
= DR ≥3500	.0	.0	.0	.0	.0	.0	.0	.0
= DR ≥2000	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
= DR ≥1000	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
= DR ≥600	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
= DR ≥300	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
= DR ≥150	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
= DR ≥0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 8

PCT FREQ NH 45/81 75.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL DBS
25.0	25.0	12.5	12.5	.0	25.0	.0	.0	.0	.0	8

AUGUST

PERIOD: (PRIMARY) 1869-1975
(OVER-ALL) 1854-1975AREA 0021 TRINDADE
20.05 28.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	11.4	.0	2.9	.0	.0	.0	.0	.0	.0	14.3	.0
	NO PCP	4.3	30.0	7.1	2.9	.0	2.9	.0	4.3	.0	.0	51.4	.0
	TOT %	4.3	41.4	7.1	5.7	.0	2.9	.0	4.3	.0	.0	65.7	.0
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	2.9	.7	21.4	6.4	2.9	.0	.0	.0	.0	.0	34.3	.0
	TOT %	2.9	.7	21.4	6.4	2.9	.0	.0	.0	.0	.0	34.3	.0
TOT OBS													
TOT PCT													
		7.1	42.1	28.6	12.1	2.9	2.9	.0	4.3	.0	.0	100.0	35

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.9	6.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	7.0
	4-10	1.8	14.0	2.6	6.1	.9	.0	.0	2.6	.0	.0	.0	28.1
	11-21	.0	3.3	1.8	.9	2.6	3.3	.0	.0	.0	.0	.0	14.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	2.6	23.4	4.4	7.0	3.3	3.3	.0	2.6	.0	.0	.0	49.1
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.4	9.6	3.1	.9	.0	.0	.0	.0	.0	.0	14.0
	11-21	3.3	2.6	14.9	2.6	11.4	1.8	.0	.0	.0	.0	.0	36.8
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	3.3	3.1	24.6	5.7	12.3	1.8	.0	.0	.0	.0	.0	50.9
TOT OBS													
TOT PCT													
		6.1	28.5	28.9	12.7	15.8	5.3	.0	2.6	.0	.0	100.0	57

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	1
18021	.0	.0	.0	.0	.0	50.0	.0	.0	.0	.0	50.0	50.0	2
TOT	0	0	0	0	1	1	0	0	0	0	2	6	8
PCT	.0	.0	.0	.0	12.5	12.5	.0	.0	.0	.0	25.0	75.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	54.5	45.5	11
06009	.0	.0	.0	.0	55.6	44.4	18
12015	.0	.0	.0	.0	45.5	54.5	11
18021	.0	.0	.0	.0	47.4	52.6	19
TOT	0	0	0	0	30	29	59
PCT	.0	.0	.0	.0	50.8	49.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	.0	100.0	2
12015	.0	.0	.0	100.0	.0	1
18021	.0	.0	.0	50.0	50.0	2
TOT	0	0	0	2	6	8
PCT	.0	.0	.0	25.0	75.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	.0	11.1	3.7	22.2	10	37.0
70/74	.0	.0	.0	.0	.0	29.6	7.4	18.5	15	55.6
65/69	.0	.0	.0	.0	.0	3.7	3.7	.0	2	7.4
TOTAL	0	0	0	0	0	12	4	11	27	100.0
PCT	.0	.0	.0	.0	.0	44.4	14.8	40.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	1.9	18.5	14.8	.0	.0	.0	.0	1.9	.0	.0
70/74	7.4	11.1	17.6	8.3	3.7	3.7	.0	3.7	.0	.0
65/69	.0	.0	.0	7.4	.0	.0	.0	.0	.0	.0
TOTAL	9.3	29.6	32.4	15.7	3.7	3.7	.0	5.6	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	77	75	74	71	67	66	64	70.9	121
06009	78	77	76	71	67	65	65	71.3	225
12015	82	81	78	73	69	66	62	73.5	233
18021	79	78	76	72	68	67	67	72.3	219
TOT	82	79	77	72	68	66	62	72.2	798

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	42.9	.0	57.1	85	7
06009	.0	.0	.0	28.6	28.6	42.9	85	7
12015	.0	.0	.0	50.0	16.7	33.3	83	6
18021	.0	.0	.0	44.4	33.3	22.2	81	9
TOT	0	0	0	12	6	11	84	29

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	TOT	N FOG	NO FOG
9/10	.0	5.0	5.0	2	.0	10.0
7/8	.0	5.0	.0	1	.0	5.0
4	.0	5.0	.0	1	.0	5.0
3	.0	5.0	.0	1	.0	5.0
1	5.0	10.0	.0	3	.0	15.0
0	5.0	10.0	.0	3	.0	15.0
-1	.0	10.0	.0	2	.0	10.0
-2	10.0	10.0	.0	4	.0	20.0
-3	5.0	.0	.0	1	.0	5.0
-4	5.0	.0	.0	1	.0	5.0
-5	5.0	.0	.0	1	.0	5.0
TOTAL	7	12	1	20	0	20
PCT	35.0	60.0	5.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	16.7	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
1-2	.0	16.7	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	16.7	16.7	.0	.0	.0	33.3	.0	.0	16.7	.0	.0	.0	16.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	50.0	16.7	.0	.0	.0	66.7	.0	.0	16.7	.0	.0	.0	16.7

PERIOD: (OVER-ALL) 1963-1975

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	16.7	.0	.0	.0	.0	16.7	
1-2	.0	16.7	16.7	.0	.0	.0	33.3	
3-4	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	16.7	33.3	.0	.0	.0	50.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	50.0	50.0	.0	.0	.0	100.0	6

PERIOD: (OVER-ALL) 1952-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	14.3	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	4
6-7	.0	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	2
8-9	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	10
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	14.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	0
TOTAL	1	2	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	7	6
PCT	14.3	28.6	.0	14.3	.0	.0	42.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975AREA 0021 TRINIDADE
19.95 28.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	80.0	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28.6	.0	.0	.0	71.4	
E	.0	6.3	.0	.0	.0	.0	.0	6.3	.0	.0	.0	.0	.0	.0	93.8	
SE	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	6.3	.0	.0	.0	.0	.0	6.3	.0	.0	6.3	.0	.0	.0	87.1	
TOT OBS:	31															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
00003	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	83.3
06009	.0	11.1	.0	.0	.0	.0	.0	11.1	.0	.0	11.1	.0	.0	.0	77.8
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	88.9
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT TOT OBS:	.0 31	6.5	.0	.0	.0	.0	.0	6.5	.0	.0	6.5	.0	.0	.0	87.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	1.4	4.9	3.2	.4	.0	.0		9.9	9.4	.0	6.8	9.9	4.9	20.0	11.5	13.3	11.4	
NE	1.3	8.6	8.9	.7	.0	.0		19.5	11.1	.0	19.1	19.9	21.2	.0	20.7	16.0	19.9	
E	2.4	13.1	17.7	4.0	.0	.0		37.2	12.6	25.0	29.0	35.7	38.9	40.0	37.3	37.2	35.4	
SE	.8	6.5	8.4	2.9	.2	.0		18.6	13.5	18.8	20.5	16.8	21.9	20.0	18.2	18.5	16.8	
S	.8	1.8	2.1	.7	.3	.0		5.6	12.8	43.3	6.8	7.8	3.6	20.0	3.5	4.7	7.1	
SW	.3	.7	.7	.3	.0	.0		2.0	11.9	12.5	.9	2.1	2.6	.0	1.2	3.0	2.5	
W	.4	.6	.2	.1	.0	.0		1.3	8.3	.0	.9	.8	1.6	.0	1.2	1.3	1.9	
NW	.6	1.9	.4	.2	.0	.0		3.1	8.2	.0	2.2	2.7	2.0	.0	3.8	4.7	3.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	2.7							2.7	.0	.0	3.7	4.3	3.3	.0	2.4	1.3	1.6	
TOT OBS	121	429	470	105	5	0	1130		11.6	4	161	187	153	5	288	150	182	
TOT PCT	10.7	38.0	41.6	9.3	.4	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	3.5	5.2	1.3	.0	.0		9.9	9.4	6.7	7.6	11.6	12.3	
NE	4.6	10.7	4.1	.1	.0		19.5	11.1	18.6	20.5	20.3	18.1	
E	6.8	19.1	10.8	.9	.0		37.2	12.6	38.6	37.1	37.3	36.2	
SE	3.5	8.5	6.2	.4	.1		18.6	13.5	20.5	19.1	18.3	17.5	
S	1.7	2.3	1.3	.3	.0		5.6	12.8	7.7	5.9	3.8	6.0	
SW	.6	.7	.7	.0	.0		2.0	11.9	1.2	2.4	1.2	2.7	
W	.7	.4	.1	.1	.0		1.3	8.3	.9	1.2	1.2	1.7	
NW	1.4	1.5	.3	.0	.0		3.1	8.2	2.1	2.4	3.8	3.9	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.7						2.7	.0	3.6	3.8	2.4	1.5	
TOT OBS	289	547	278	12	4	1130		11.6	165	340	293	232	
TOT PCT	25.6	48.4	24.6	1.1	.4		100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINDADE
19.9S 28.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	3.6	6.1	34.5	47.3	7.3	1.2	.0	12.0	100.0	165	
0600	3.8	7.4	39.1	38.8	10.6	.3	.0	11.6	100.0	340	
1200	2.4	6.8	38.6	41.6	10.2	.3	.0	12.0	100.0	293	
1800	1.5	10.5	38.0	41.6	8.1	.3	.0	11.2	100.0	322	
TOT	31	90	429	470	105	5	0	11.6		1130	
PCT	2.7	8.0	38.0	41.6	9.3	.4	.0	100.0			

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	6.7	6.7	.0	.0		3.0
NE	.0	.0	.0	1.7		8.0
E	5.0	13.3	20.0	5.0		5.0
SE	8.3	.0	.0	5.0		4.2
S	3.3	.0	.0	21.7		7.2
SW	3.3	.0	.0	.0		2.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	4	3	3	5	15	5.1
TOT PCT	26.7	20.0	20.0	33.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13.3	
NE	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0
E	.0	.0	.0	6.7	6.7	6.7	5.0	.0	.0	.0	18.3	
SE	.0	.0	.0	3.3	1.7	.0	.0	.0	.0	.0	8.3	
S	.0	.0	6.7	10.0	5.0	.0	.0	.0	.0	.0	3.3	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	1	3	2	1	1	0	0	0	7	15
TOT PCT	.0	.0	6.7	20.0	13.3	6.7	6.7	.0	.0	.0	46.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

VSBY (NM)									
CEILING (FEET)	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0	
= OR >4500	.0	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3000	.0	.0	.0	.0	.0	.0	.0	.0	.0
= OR >2500	.0	.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7
= OR >2000	.0	6.7	13.3	13.3	13.3	13.3	13.3	13.3	13.3
= OR >1000	13.3	20.0	26.7	26.7	26.7	26.7	26.7	26.7	26.7
= OR >600	33.3	40.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7
= OR >300	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3
= OR >150	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3
= OR >0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3
TOTAL	6	7	8	8	8	8	8	8	8

TOTAL NUMBER OF OBS: 15

PCT FREQ NH <5/8: 46.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.7	.0	20.0	6.7	13.3	20.0	.0	13.3	20.0	.0	15

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975

TABLE 8

AREA 0021 TRINIDADE
19.95 28.54

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSRY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	3.2	
	TOT %	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	3.2	
5<10	PCP	.0	.0	3.2	3.2	.0	.0	.0	.0	.0	.0	6.5	
	NO PCP	1.6	16.1	30.6	.0	1.6	1.6	.0	.0	.0	.0	51.6	
	TOT %	1.6	16.1	33.9	3.2	1.6	1.6	.0	.0	.0	.0	58.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	6.5	.0	15.3	6.5	10.5	.0	.0	.0	.0	.0	38.7	
	TOT %	6.5	.0	15.3	6.5	10.5	.0	.0	.0	.0	.0	38.7	
TOT OBS													31
TOT PCT		8.1	16.9	51.6	9.7	12.1	1.6	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	2.9	.7	2.1	.0	.0	.0	.0	2.9	.0	.0	8.6	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	2.9	.7	2.1	.0	.0	.0	.0	2.9	.0	.0	8.6	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.4	8.6	15.7	.0	1.4	1.4	.0	.0	.0	.0	28.6	
	11-21	.0	5.7	11.4	2.9	.0	.0	.0	.0	.0	.0	20.0	
	22+	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0	2.9	
	TOT %	1.4	14.3	30.0	2.9	1.4	1.4	.0	.0	.0	.0	51.4	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	5.7	.0	.0	4.3	7.1	2.9	.0	.0	.0	.0	20.0	
	11-21	.0	.0	13.6	1.4	5.0	.0	.0	.0	.0	.0	20.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	5.7	.0	13.6	5.7	12.1	2.9	.0	.0	.0	.0	40.0	
TOT OBS													35
TOT PCT		10.0	15.0	45.7	8.6	13.6	4.3	.0	2.9	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINIDADE
19.9S 28.5W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	180 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	25.0	25.0	25.0	.0	.0	.0	.0	75.0	25.0	4
06009	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	33.3	66.7	3
12015	.0	.0	20.0	20.0	.0	.0	.0	.0	.0	.0	40.0	60.0	5
18021	.0	.0	.0	33.3	33.3	.0	.0	.0	.0	.0	66.7	33.3	3
TOT	0	0	1	3	2	1	1	0	0	0	8	7	15
PCT	.0	.0	6.7	20.0	13.3	6.7	6.7	.0	.0	.0	53.3	46.7	100.0

TABLE 11

PERCENT FREQUENCY VS8Y (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	66.7	33.3	6
06009	.0	.0	.0	11.1	66.7	22.2	9
12015	.0	.0	.0	9.1	36.4	54.5	11
18021	.0	.0	.0	11.1	44.4	44.4	9
TOT	0	0	0	3	18	14	35
PCT	.0	.0	.0	8.6	51.4	40.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VS8Y (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	25.0	50.0	25.0	4
06009	.0	.0	33.3	.0	66.7	3
12015	.0	20.0	40.0	.0	60.0	5
18021	.0	.0	33.3	33.3	33.3	3
TOT	0	1	5	3	7	15
PCT	.0	6.7	33.3	20.0	46.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
70/74	.0	.0	.0	.0	5.9	52.9	29.4	.0	15	88.2
65/69	.0	.0	.0	.0	.0	5.9	.0	.0	1	5.9
60/64	.0	.0	.0	.0	.0	.0	5.9	.0	1	5.9
TOTAL	0	0	0	0	1	10	6	0	17	100.0
PCT	.0	.0	.0	.0	5.9	58.8	35.3	.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	20.6	42.6	5.9	19.1	.0	.0	.0	.0	.0
5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
11.8	20.6	42.6	5.9	19.1	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	76	75	75	71	68	66	65	71.2	154
06009	77	76	75	72	68	66	64	71.4	319
12015	83	81	79	74	69	67	63	73.8	285
18021	80	79	77	73	69	67	67	72.9	308
TOT	83	80	77	72	68	67	63	72.5	1066

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	33.3	66.7	.0	80	3
06009	.0	.0	.0	75.0	25.0	.0	77	4
12015	.0	.0	.0	60.0	40.0	.0	79	5
18021	.0	.0	20.0	60.0	20.0	.0	75	5
TOT	0	0	1	10	6	0	77	17

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINIDADE
19.95 28.5W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	TOT	N FOG	NO FOG
2	.0	.0	.0	3.3	1	.0	3.3
1	.0	.0	.0	13.3	4	.0	13.3
0	.0	3.3	6.7	4.7	5	3.3	13.3
-1	.0	.0	10.0	10.7	8	3.3	23.3
-2	3.3	.0	26.7	.0	9	.0	30.0
-3	.0	.0	3.3	.0	1	.0	3.3
-4	.0	3.3	.0	.0	1	.0	3.3
-5	.0	.0	3.3	.0	1	.0	3.3
TOTAL	1	2	15	12	30	2	28
PCT	3.3	6.7	50.0	40.0	100.0	6.7	93.3

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	12.5	16.7	.0	.0	.0	29.2	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	62.5	.0	.0	.0	62.5	.0	.0	4.2	.0	.0	.0	4.2
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.5	79.2	.0	.0	.0	91.7	.0	.0	4.2	.0	.0	.0	4.2

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER

AREA 0021 TRINIDADE
19.9S 28.5W

TABLE 18 (CONT)

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	16.7	16.7	.0	.0	.0	33.3	.0
5-6	.0	.0	66.7	.0	.0	.0	66.7	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	16.7	83.3	.0	.0	.0	100.0	6

PERIOD: (OVER-ALL) 1952-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
6-7	.0	.0	10.0	20.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
10-11	.0	20.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
12-13	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	.0	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3
TOTAL	.0	2	2	2	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5
PCT	.0	20.0	20.0	20.0	10.0	30.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

OCTOBER

PERIOD: (PRIMARY) 1868-1967
(OVER-ALL) 1854-1967AREA 0021 TRINIDADE
20.15 28.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.5	.0	.0	.0	90.5
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	.0	96.9
TOT OBS:	32														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	88.9
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.1	.0	.0	.0	96.9
TOT OBS:	32														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15
N	1.1	7.1	4.5	.3	.0	.0		13.1	9.6	.0	12.8	10.4	10.7	25.0	15.0	13.5
NE	1.4	10.7	11.2	.7	.0	.0		24.1	11.2	.0	21.8	22.3	24.8	25.0	24.9	21.5
E	1.4	11.2	17.3	2.2	.0	.0		32.1	12.5	.0	34.2	31.4	30.3	25.0	30.3	30.2
SE	.4	4.4	10.2	1.9	.0	.0		16.9	13.9	.0	18.6	20.4	18.5	8.3	15.4	12.3
S	.2	1.8	2.3	.7	.0	.0		5.0	13.1	.0	5.8	4.4	3.3	16.7	3.9	6.7
SW	.3	.4	.7	.3	.0	.0		1.7	11.8	.0	1.5	2.5	.7	.0	2.3	1.6
W	.1	.2	.3	.1	.0	.0		.7	12.6	.0	.4	.3	1.9	.0	1.0	.0
NW	.9	3.1	1.2	.1	.0	.0		5.3	8.2	.0	4.1	6.9	1.5	.0	6.3	6.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	.0	16.7	.8	1.3	2.2	.0	1.0
TOT OBS	77	445	547	73	1	0	1143		11.7		133	159	135	6	421	126
TOT PCT	6.7	38.9	47.9	6.4	.1	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	3.8	8.3	1.0	.0	.0		13.1	9.6	12.2	10.5	15.1	13.1
NE	4.3	15.4	4.2	.3	.0		24.1	11.2	21.8	23.5	24.9	21.5
E	4.9	18.5	8.5	.2	.0		32.1	12.5	34.2	33.7	30.2	32.1
SE	1.7	9.3	5.5	.4	.0		16.9	13.9	18.0	19.6	15.3	15.8
S	.9	2.7	1.2	.2	.0		5.0	13.1	6.1	3.9	4.1	7.0
SW	.6	.7	.5	.0	.0		1.7	11.8	1.4	1.7	2.2	1.1
W	.1	.4	.2	.0	.0		.7	12.6	.4	1.0	.9	.2
NW	2.3	2.8	.1	.1	.0		5.3	8.2	4.0	4.4	6.2	5.7
VAR	1.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	1.4	1.7	.9	.4
TOT OBS	223	664	242	14	0	1143		11.7	139	294	427	283
TOT PCT	19.5	58.1	21.2	1.2	.0	100.0			100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	1.4	5.0	31.7	56.1	5.8	.0	.0	.0	12.1	100.0	139
06009	1.7	4.8	37.1	50.7	5.8	.0	.0	.0	11.9	100.0	294
12015	.9	6.3	39.8	47.1	5.9	.0	.0	.0	11.4	100.0	427
18021	.4	6.0	43.1	42.0	8.1	.4	.0	.0	11.7	100.0	283
TOT	12	65	445	547	73	1	0	11.7			1143
PCT	1.0	5.7	38.9	47.9	6.4	.1	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	9.1	4.5	9.1		6.2
NE	.0	4.5	11.4	.0		5.7
E	6.8	9.1	11.4	4.5		4.4
SE	4.5	1.1	.0	.0		2.0
S	11.4	3.4	.0	.0		2.4
SW	.0	4.5	.0	.0		3.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	4.5	.0	.0		3.0
TOT OBS	5	8	6	3	22	4.5
TOT PCT	22.7	36.4	27.3	13.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	2500 4999	3000 6499	3500 7999	6500 8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	9.1	4.5	.0	.0	.0	9.1	
NE	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	14.8	
E	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	23.9	
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.7	
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	
TOT OBS	5	8	6	3	22	4	1	0	0	0	17	22
TOT PCT	.0	.0	.0	.0	.0	18.2	4.5	.0	.0	.0	77.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5
>2000	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>1000	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>600	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>300	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>150	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
>0	.0	18.2	22.7	22.7	22.7	22.7	22.7	22.7
TOTAL	0	4	5	5	5	5	5	5

TOTAL NUMBER OF OBS: 22

PCT FREQ NH <5/8: 77.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
	0.1	9.1	22.7	18.2	18.2	13.6	.0	4.5	4.5	.0	22

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	3.1	
	TOT %	.0	.0	3.1	.0	.0	.0	.0	.0	.0	.0	3.1	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	6.3	
	TOT %	.0	.0	6.3	.0	.0	.0	.0	.0	.0	.0	6.3	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	25.0	7.8	10.9	.8	2.3	3.1	.0	.0	.0	3.1	53.1	
	TOT %	25.0	7.8	10.9	.8	2.3	3.1	.0	.0	.0	3.1	53.1	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	4.7	6.3	12.5	4.7	7.8	.0	1.6	.0	.0	.0	27.5	
	TOT %	4.7	6.3	12.5	4.7	7.8	.0	1.6	.0	.0	.0	27.5	
TOT OBS													
TOT PCT		29.7	14.1	32.8	5.5	10.2	3.1	.0	1.6	.0	3.1	100.0	32

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7		
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7		
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	4-10	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7		
	11-21	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	1.7		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	3.4		
5<10	0-3	5.1	.0	.0	.0	.0	.0	.0	1.7	.0	1.7	8.5		
	4-10	1.7	5.1	1.7	.4	1.3	.0	.0	.0	.0	.0	10.2		
	11-21	6.8	5.9	4.2	.0	.0	1.7	.0	.0	.0	.0	18.6		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	13.6	11.0	5.9	.4	1.3	1.7	.0	1.7	.0	1.7	37.3		
10+	0-3	1.7	3.4	.0	.0	.0	.0	.0	.0	.0	1.7	6.8		
	4-10	2.5	6.8	7.6	1.7	.0	.0	.0	.0	.0	.0	18.6		
	11-21	2.5	13.6	4.2	6.8	4.2	.0	.0	.8	.0	.0	32.2		
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	6.8	23.7	11.9	8.5	4.2	.0	.0	.8	.0	1.7	57.6		
TOT OBS														59
TOT PCT		20.3	34.7	22.9	8.9	5.5	1.7	.0	2.5	.0	3.4	100.0		

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HR	000	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	399	499	599	699	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	75.0	8
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4	
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.0	75.0	4
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	66.7	6
TOT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	17	22
PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22.7	77.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	< 1/2	1/2 < 1	1 < 2	2 < 3	3 < 4	4 < 5	5 < 10	10 < 20	20 < 30	30 < 40	40 < 50	50 < 60	60 < 70	70 < 80	80 < 90	90 < 100	TOTAL OBS
(GMT)																	
00003	.0	.0	.0	7.1	57.1	35.7	14										14
06009	.0	.0	.0	.0	42.9	57.1	14										14
12015	.0	.0	.0	.0	16.7	83.3	12										12
18021	.0	.0	5.3	5.3	31.6	57.9	19										19
TOT	0	0	1	2	22	34	59										59
PCT	.0	.0	1.7	3.4	37.3	57.6	100.0										100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8), BY HOUR

HR	< 150 < 500	< 600 < 1	< 1000 < 5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
(GMT)						
00003	.0	.0	12.5	12.5	75.0	8
06009	.0	.0	.0	.0	100.0	4
12015	.0	.0	.0	25.0	75.0	4
18021	.0	.0	.0	33.3	66.7	6
TOT	0	0	1	4	17	22
PCT	.0	.0	4.5	18.2	77.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.0	14.3	14.3	.0	.0	2	28.6
70/74	.0	.0	.0	.0	28.6	28.6	.0	14.3	5	71.4
TOTAL	0	0	0	0	3	3	0	1	7	100.0
PCT	.0	.0	.0	.0	42.9	42.9	.0	14.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
14.3	.0	14.3	.0	.0	.0	.0	.0	.0	.0
28.6	.0	35.7	7.1	.0	.0	.0	.0	.0	.0
42.9	.0	50.0	7.1	.0	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
(GMT)									
00003	79	77	76	73	68	65	64	72.3	134
06009	82	78	77	73	68	66	65	72.6	288
12015	86	83	81	75	70	68	67	75.3	418
18021	87	83	78	74	69	68	66	73.7	272
TOT	87	82	79	74	69	67	64	73.8	1112

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
(GMT)										
00003	.0	.0	100.0	.0	.0	.0	.0	.0	61	1
06009	.0	.0	.0	100.0	.0	.0	.0	.0	72	2
12015	.0	.0	.0	50.0	25.0	.0	25.0	.0	76	4
18021	.0	.0	.0	.0	.0	.0	.0	.0	73	7
TOT	0	0	3	3	0	1	73	7		

OCTOBER

PERIOD: (PRIMARY) 1868-1967
(OVER-ALL) 1854-1967

TABLE 17

AREA 0021 TRINIDADE
20.15 28.6WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	TOT	W FOG	NO FOG
4	.0	7.7	1	.0	7.7
2	15.4	.0	2	.0	15.4
1	15.4	.0	2	.0	15.4
0	15.4	.0	2	.0	15.4
-1	23.1	.0	3	.0	23.1
-2	15.4	.0	2	.0	15.4
-3	7.7	.0	1	.0	7.7
TOTAL	12	1	13	0	13
PCT	92.3	7.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1967

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	23.3	.0	.0	.0	23.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	23.3	.0	.0	.0	23.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	13.3	.0	.0	.0	.0	13.3	.0	1.7	3.3	.0	.0	.0	5.0
3-4	.0	.0	23.3	.0	.0	.0	23.3	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.3	23.3	.0	.0	.0	36.7	.0	1.7	3.3	.0	.0	.0	5.0

PERIOD: (OVER-ALL) 1963-1967

OCTUBER

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	5.0	10.0	.0	.0	.0	15.0	.0	.0	6.7	.0	.0	.0	.0	6.7	
5-6	.0	.0	6.7	.0	.0	.0	6.7	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	5.0	16.7	.0	.0	.0	21.7	.0	.0	6.7	.0	.0	.0	.0	6.7	

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	6.7	20.0	20.0	.0	.0	.0	46.7	
3-4	.0	.0	53.3	.0	.0	.0	53.3	
5-6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	6.7	20.0	73.3	.0	.0	.0	100.0	15

PERIOD: (OVER-ALL) 1951-1967

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	35.3	41.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	19	3
6-7	.0	.0	5.9	.0	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
8-9	.0	.0	.0	.0	5.9	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	.0	6	8	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	17	3
PCT	.0	35.3	47.1	.0	11.8	5.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975AREA 0021 TRINIDADE
20.15 28.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	MAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	90.0
E	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
SE	3.0	.0	12.1	.0	.0	.0	.0	19.2	.0	.0	.0	.0	.0	.0	84.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	80.0	.0	.0	.0	.0	80.0	.0	.0	.0	.0	.0	.0	20.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.5	.0	9.1	.0	.0	.0	.0	13.6	.0	.0	4.5	.0	.0	.0	81.8
TOT OBS:	22														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	.0	14.3	.0	.0	.0	.0	14.3	.0	.0	14.3	.0	.0	.0	71.4
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	85.7
12015	.0	.0	25.0	.0	.0	.0	.0	25.0	.0	.0	.0	.0	.0	.0	75.0
18021	12.5	.0	.0	.0	.0	.0	.0	12.5	.0	.0	12.5	.0	.0	.0	75.0
TOT PCT TOT OBS:	3.8 26	.0	7.7	.0	.0	.0	.0	11.5	.0	.0	11.5	.0	.0	.0	76.9

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	1.2	8.5	5.4	1.3	.2	.0	16.6	10.9		.0	14.3	12.2	15.8	25.0	19.3	18.2	16.1
NE	2.2	16.4	14.2	2.0	.1	.0	34.8	11.2		25.0	23.9	36.9	27.1	25.0	33.6	35.7	33.9
E	1.4	10.1	16.1	2.6	.0	.0	30.3	12.8		.0	34.2	35.3	33.3	.0	28.4	26.0	28.5
SE	.3	2.8	3.1	1.0	.0	.0	7.1	13.1		25.0	6.2	7.0	6.2	25.0	7.4	6.1	8.2
S	.2	.9	.7	.0	.0	.0	1.8	10.4		18.8	1.3	.7	.7	.0	2.6	1.5	2.3
SW	.2	.5	.2	.0	.0	.0	.9	8.0		31.3	1.0	.7	.2	25.0	.7	.7	1.1
W	.5	.8	.1	.0	.0	.0	1.3	6.2		.0	1.5	1.6	2.2	.0	1.2	1.0	.6
NW	.8	4.0	1.5	.2	.1	.0	6.5	8.7		.0	5.0	5.2	4.5	.0	6.0	10.4	8.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0		.0	2.0	.5	.0	.0	.0	.5	.8
TOT OBS	118	693	651	112	5	0	1579	11.4		4	199	221	209	4	500	206	236
TOT PCT	7.3	43.9	41.2	7.1	.3	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	03	09	18
N	5.2	8.1	2.7	.6	.0		16.6	10.9	14.0	14.0	19.3	17.1
NE	8.7	18.3	7.2	.6	.0		34.8	11.2	33.7	37.0	33.5	34.7
E	4.8	16.0	9.0	.4	.0		30.3	12.8	33.5	34.3	28.2	27.2
SE	1.3	3.6	1.9	.3	.0		7.1	13.1	7.1	6.6	7.5	7.2
S	.4	1.0	.3	.0	.0		1.8	10.4	1.8	.7	2.6	1.9
SW	.2	.6	.0	.0	.0		.9	8.0	1.6	.5	.9	.9
W	.6	.7	.0	.0	.0		1.3	6.2	1.5	1.9	1.2	.8
NW	2.8	3.1	.5	.1	.0		6.5	8.7	4.9	4.9	6.0	9.4
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.8						.8	.0	2.0	.2	.8	.7
TOT OBS	393	814	342	30	0	1579		11.4	203	430	504	442
TOT PCT	24.9	51.6	21.7	1.9	.0	100.0			100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

NOVEMBER

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	2.0	7.4	48.8	34.5	7.4	.0	.0	10.9	100.0	203
06009	.2	7.7	41.6	42.1	8.1	.2	.0	11.8	100.0	430
12015	.8	5.2	41.9	43.7	8.1	.4	.0	11.8	100.0	504
18021	.7	7.2	46.2	40.7	4.8	.5	.0	10.9	100.0	442
TOT	12	106	693	651	112	5	0	11.4		1579
PCT	.8	6.7	43.9	41.2	7.1	.3	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	9.1	.0		6.0
NE	.0	27.3	9.1	.0		4.2
E	.0	.0	.0	.0		.0
SE	9.1	9.1	27.3	.0		4.4
S	.0	.0	6.8	.0		5.0
SW	.0	.0	2.3	.0		5.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	1	4	6		11	4.5
TOT PCT	9.1	36.4	54.5	.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9.1	
.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	27.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	9.1	.0	.0	.0	.0	.0	.0	36.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.8	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	2	.0	.0	.0	.0	.0	.0	.0	11
.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	61.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	.0	.0	.0	.0	.0	.0	.0
>2000	.0	.0	.0	.0	.0	.0	.0	.0
>1000	.0	.0	.0	.0	.0	.0	.0	.0
>600	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>300	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>150	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
>0	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
TOTAL	2	2	2	2	2	2	2	2

TOTAL NUMBER OF OBS: 12

PCT FREQ NH <5/8: 63.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
16.7	8.3	8.3	16.7	33.3	8.3	.0	8.3	.0	.0	12

NOVEMBER

PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	4.5	.0	.0	.0	.0	4.5	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	27.3	.0	4.5	.0	.0	.0	.0	.0	.0	31.8	
	TOT %	.0	27.3	.0	4.5	.0	.0	.0	.0	.0	.0	31.8	
10+	PCP	.0	.0	3.4	5.7	.0	.0	.0	.0	.0	.0	9.1	
	NO PCP	4.5	18.2	.0	27.3	3.4	1.1	.0	.0	.0	.0	54.5	
	TOT %	4.5	18.2	3.4	33.0	3.4	1.1	.0	.0	.0	.0	63.6	
TOT OBS													22
TOT PCT		4.5	45.5	3.4	37.5	3.4	5.7	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	2.7	.0	.0	.0	.0	2.7	
5<10	0-3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
	4-10	.0	13.5	.0	.0	.0	.0	.0	.0	.0	.0	13.5	
	11-21	.0	.0	.0	2.7	.0	.0	.0	.0	.0	.0	2.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	16.2	.0	2.7	.0	.0	.0	.0	.0	.0	18.9	
10+	0-3	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.7	
	4-10	2.7	21.6	10.1	11.5	2.0	3.4	.0	.0	.0	.0	51.4	
	11-21	2.7	8.1	.0	9.5	1.4	.0	.0	.0	.0	.0	21.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	5.4	32.4	10.1	20.9	3.4	3.4	.0	.0	.0	.0	75.7	
TOT OBS													37
TOT PCT		5.4	48.6	10.1	23.6	3.4	8.8	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1970-1975
(OVER-ALL) 1954-1975

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AREA 0021 TRINIDADE
20.15 28.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	3
06009	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	33.3	66.7	3
12015	.0	.0	.0	50.0	.0	.0	.0	.0	.0	.0	50.0	50.0	2
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	4
TOT	0	0	0	2	0	0	0	0	0	0	2	10	12
PCT	.0	.0	.0	16.7	.0	.0	.0	.0	.0	.0	16.7	83.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	11.1	22.2	66.7	9
06009	.0	.0	.0	.0	27.3	72.7	11
12015	.0	.0	12.5	.0	12.5	75.0	8
18021	.0	.0	.0	.0	23.1	76.9	13
TOT	0	0	1	1	9	30	41
PCT	.0	.0	2.4	2.4	22.0	73.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	.0	.0	100.0	3
06009	.0	.0	33.3	.0	66.7	3
12015	.0	.0	50.0	.0	50.0	2
18021	.0	.0	.0	.0	100.0	4
TOT	0	0	2	0	10	12
PCT	.0	.0	16.7	.0	83.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	4.5	.0	.0	.0	1	4.5
79/79	.0	.0	.0	.0	9.1	18.2	13.6	.0	9	40.9
70/74	.0	.0	.0	.0	.0	9.1	22.7	22.7	12	54.5
TOTAL	0	0	0	0	3	6	8	5	22	100.0
PCT	.0	.0	.0	.0	13.6	27.3	36.4	22.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0
79/79	4.5	13.6	.0	18.2	3.4	1.1	.0	.0	.0	.0
70/74	.0	27.3	3.4	19.3	.0	4.5	.0	.0	.0	.0
TOTAL	4.5	45.5	3.4	37.5	3.4	5.7	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	84	79	77	74	72	69	68	74.3	197
06009	86	81	79	74	71	70	67	74.6	416
12015	89	86	83	77	73	70	69	77.4	480
18021	87	84	80	76	72	70	68	75.8	431
TOT	89	84	81	75	72	70	67	75.8	1524

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	.0	28.6	57.1	14.3	84	7
06009	.0	.0	.0	.0	.0	28.6	42.9	28.6	84	7
12015	.0	.0	.0	50.0	25.0	25.0	.0	.0	74	4
18021	.0	.0	.0	12.5	25.0	37.5	25.0	.0	82	8
TOT	0	0	0	3	7	11	5	82	26	

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PERIOD: (PRIMARY) 1870-1975
(OVER-ALL) 1854-1975

TABLE 17

AREA 0021 TRINDADE
20.15 28.6WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	TOT FOG	W FOG	NO FOG
6	.0	.0	.0	4.3	1	.0	4.3
2	.0	.0	8.7	.0	2	.0	8.7
1	.0	8.7	.0	.0	2	.0	8.7
0	.0	13.0	4.3	.0	4	4.3	13.0
-1	.0	21.7	.0	.0	3	4.3	17.4
-2	4.3	21.7	.0	.0	6	4.3	21.7
-3	8.7	.0	.0	.0	2	.0	8.7
-4	4.3	.0	.0	.0	1	.0	4.3
TOTAL	4	15	3	1	23	3	20
PCT	17.4	65.2	13.0	4.3	100.0	13.0	87.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	14.3	.0	.0	.0	14.3	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	14.3
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	14.3	.0	.0	.0	14.3
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	14.3	.0	.0	.0	14.3	.0	.0	28.6	.0	.0	.0	28.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	42.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	42.9	.0	.0	.0	42.9

PERIOD: (OVER-ALL) 1963-1975

NOVEMBER

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	14.3	.0	.0	.0		14.3
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	14.3	.0	.0	.0		14.3

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	28.6	.0	.0	.0	28.6	
5-6	.0	.0	42.9	.0	.0	.0	42.9	
7	.0	.0	14.3	.0	.0	.0	14.3	
8-9	.0	.0	14.3	.0	.0	.0	14.3	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	100.0	.0	.0	.0	100.0	7

PERIOD: (OVER-ALL) 1952-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	7.7	30.8	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6
6-7	.0	.0	.0	7.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1
8-9	.0	.0	.0	.0	15.4	30.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
IND*1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
TOTAL	0	1	4	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
PCT	.0	7.7	30.8	15.4	15.4	30.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

AREA 0021 TRINIDADE
20.15 28.6W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12.5	.0	.0	.0	87.5
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	6.7	.0	.0	.0	.0	.0	6.7	.0	.0	6.7	.0	.0	.0	86.7
SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	.0	.0	.0	.0	.0	2.1	.0	.0	4.2	.0	.0	.0	93.8
TOT OBS:	48														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6.3	.0	.0	.0	93.8
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11.1	.0	.0	.0	88.9
18021	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	8.3	.0	.0	.0	83.3
TOT PCT	.0	1.9	.0	.0	.0	.0	.0	1.9	.0	.0	5.6	.0	.0	.0	92.6
TOT OBS:	54														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.4	6.3	4.7	.7	.0	.0		13.0	10.1		21.4	13.9	11.8	11.3	20.0	14.8	14.0	10.1
NE	1.6	13.1	13.6	.4	.0	.0		28.8	10.7		25.0	25.7	23.9	26.8	80.0	33.9	30.3	26.4
E	1.5	16.0	16.5	1.8	.0	.0		35.8	11.5		21.4	37.5	42.7	36.3	.0	32.8	31.1	38.1
SE	1.5	5.0	3.9	.3	.0	.0		10.7	9.8		21.4	12.9	10.9	10.8	.0	7.9	9.3	14.6
S	.4	1.2	.4	.2	.0	.0		2.2	8.8		3.6	1.8	2.1	2.3	.0	2.2	2.8	2.0
SW	.2	.6	.1	.0	.0	.0		.9	5.6		.0	1.1	1.1	1.5	.0	.6	1.7	.0
W	.3	1.0	.2	.0	.0	.0		1.4	6.3		.0	.5	1.6	2.3	.0	1.2	1.9	1.6
NW	1.5	3.0	1.1	.1	.0	.0		5.7	7.5		7.1	5.0	4.7	5.9	.0	5.3	7.9	5.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.5							1.5	.0		.0	1.6	1.3	2.6	.0	1.4	1.1	1.4
TOT OBS	143	672	592	50	0	0	1457		10.3		14	190	225	194	5	418	189	222
TOT PCT	9.8	46.1	40.6	3.4	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	00					06	12	18		
										03	09	15	21	
N	4.3	6.8	1.6	.2	.0		13.0	10.1	14.5	11.6	14.9	11.9		
NE	6.5	17.8	4.4	.1	.0		28.8	10.7	25.6	25.2	34.4	28.2		
E	7.3	20.8	7.2	.4	.0		35.8	11.5	36.4	39.7	32.4	34.9		
SE	3.5	5.5	1.6	.1	.0		10.7	9.8	13.5	10.9	7.8	12.2		
S	1.3	.5	.3	.1	.0		2.2	8.8	2.0	2.2	2.1	2.4		
SW	.7	.2	*	.0	.0		.9	5.6	1.0	1.3	.6	.8		
W	1.0	.3	.1	.0	.0		1.4	6.3	.5	1.9	1.2	1.7		
NW	3.1	2.0	.5	*	.0		5.7	7.5	5.1	5.3	5.2	6.8		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	1.5						1.5	.0	1.5	1.9	1.4	1.2		
TOT OBS	427	786	230	14	0	1457		10.3	204	419	423	411		
TOT PCT	29.3	53.9	15.8	1.0	.0		100.0		100.0	100.0	100.0	100.0		

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

AREA 0021 TRINIDADE
20.18 28.6W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	1.5	11.8	49.0	33.8	3.9	.0	.0	.0	9.7	100.0	204
06009	1.9	8.4	45.6	40.8	3.3	.0	.0	.0	10.5	100.0	419
12015	1.4	5.7	40.4	47.8	4.7	.0	.0	.0	11.3	100.0	423
18021	1.2	9.2	51.1	36.5	1.9	.0	.0	.0	9.5	100.0	411
TOT	22	121	672	592	.0	.0	.0	.0	10.3		1457
PCT	1.5	8.3	46.1	40.6	3.4	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	12.8	5.1	.0	.0		2.0
NE	2.6	17.9	17.9	2.6		4.8
E	7.7	15.4	4.5	.0		3.2
SE	.0	2.6	3.2	.0		5.2
S	2.6	.0	.0	1.9		4.5
SW	.0	.0	.0	.6		8.0
W	.0	.0	.0	.0		.0
NW	.0	.0	2.6	.0		5.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	10	16	11	7	39	3.9
TOT PCT	25.6	41.0	28.2	5.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35.9	
.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	25.6	
.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	5.1	
.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	2.6	
.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	1	.0	.0	.0	.0	34	39
.0	.0	.0	.0	2.6	.0	10.3	.0	.0	.0	87.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.0	.0	.0	.0	.0	.0	.0	.0
>3500	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>2000	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>1000	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>600	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>300	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>150	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
>0	.0	5.1	10.3	10.3	10.3	10.3	10.3	10.3
TOTAL	0	2	4	4	4	4	4	4

TOTAL NUMBER OF OBS: 39

PCT FREQ NH <5/8: 89.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
9.5	14.3	35.7	14.3	11.9	7.1	.0	.0	7.1	.0	42

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974AREA 0021 TRINIDADE
20.15 28.6W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	5.9	12.8	.5	.0	.0	.0	.0	.0	.0	19.1	
	TOT %	.0	5.9	12.8	.5	.0	.0	.0	.0	.0	.0	19.1	
5<10	PCP	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	2.1	
	NO PCP	2.1	17.6	8.0	4.3	1.6	.5	.0	.0	.0	.0	34.0	
	TOT %	2.1	17.6	10.1	4.3	1.6	.5	.0	.0	.0	.0	36.2	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	14.9	13.3	9.0	3.7	3.7	.0	.0	.0	.0	.0	44.7	
	TOT %	14.9	13.3	9.0	3.7	3.7	.0	.0	.0	.0	.0	44.7	
TOT OBS													
TOT PCT		17.0	36.7	31.9	8.3	5.3	.5	.0	.0	.0	.0	100.0	47

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.8	3.1	2.3	.0	.0	.0	.0	.0	.0	.0	6.3	
	11-21	.0	2.0	7.0	1.2	.8	.0	.0	.0	.0	.0	10.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.8	5.1	9.4	1.2	.8	.0	.0	.0	.0	.0	17.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	1.8	9.0	9.0	.8	.8	.8	.0	.0	.0	.0	21.9	
	11-21	.0	6.3	1.8	3.1	1.2	.4	.0	.0	.0	.0	12.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	1.8	15.2	10.5	3.9	2.0	1.2	.0	.0	.0	.0	34.4	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	7.8	3.5	13.7	4.7	1.8	.0	.0	.0	.0	.0	31.3	
	11-21	3.1	7.8	3.1	2.0	1.2	.0	.0	.0	.0	.0	17.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	10.9	11.3	16.8	6.6	2.7	.0	.0	.0	.0	.0	48.4	
TOT OBS													
TOT PCT		13.3	31.6	36.7	11.7	5.5	1.2	.0	.0	.0	.0	100.0	64

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974AREA 0021 TRINDADE
20.15 28.6W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	.0	.0	.0	7.7	.0	.0	.0	7.7	92.3	13
06009	.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	20.0	80.0	10
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	7
18021	.0	.0	.0	.0	9.1	.0	9.1	.0	.0	.0	18.2	81.8	11
TOT	0	0	0	0	1	0	4	0	0	0	5	36	41
PCT	.0	.0	.0	.0	2.4	.0	9.8	.0	.0	.0	12.2	87.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	5.3	.0	31.6	21.1	42.1	19
06009	.0	.0	5.0	15.0	45.0	35.0	20
12015	.0	.0	.0	.0	36.4	63.6	11
18021	.0	.0	.0	10.0	35.0	55.0	20
TOT	0	1	1	11	24	33	70
PCT	.0	1.4	1.4	15.7	34.3	47.1	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	41.7	.0	58.3	12
06009	.0	.0	30.0	10.0	60.0	10
12015	.0	.0	.0	.0	100.0	7
18021	.0	.0	10.0	10.0	80.0	10
TOT	0	0	9	2	28	39
PCT	.0	.0	23.1	5.1	71.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	13.3	3.3	.0	5	16.7
75/79	.0	.0	.0	.0	6.7	56.7	10.0	3.3	23	76.7
70/74	.0	.0	.0	.0	.0	3.3	.0	3.3	2	6.7
TOTAL	0	0	0	0	2	22	4	2	30	100.0
PCT	.0	.0	.0	.0	6.7	73.3	13.3	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	6.7	10.0	.0	.0	.0	.0	.0	.0	.0	.0
75/79	13.3	28.3	23.3	5.0	5.8	.8	.0	.0	.0	.0
70/74	.0	.0	3.3	.8	2.5	.0	.0	.0	.0	.0
TOTAL	20.0	38.3	26.7	5.8	8.3	.8	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	81	80	79	76	72	70	70	75.7	192
06009	88	82	81	76	72	70	69	76.1	401
12015	91	87	83	79	75	72	70	79.6	410
18021	86	84	82	77	73	71	70	77.4	388
TOT	91	85	82	77	73	70	69	77.3	1391

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	11.1	66.7	11.1	11.1	76	9
06009	.0	.0	.0	62.5	12.5	25.0	80	8
12015	.0	.0	20.0	60.0	20.0	.0	74	5
18021	.0	.0	10.0	80.0	10.0	.0	74	10
TOT	0	0	3	22	4	3	76	32

DECEMBER

PERIOD: (PRIMARY) 1873-1974
(OVER-ALL) 1854-1974

TABLE 17

AREA 0021 TRINIDADE
20.15 28.6W

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	TOT	N FOG	NO FOG
4	.0	.0	.0	2.6	1	.0	2.6
2	.0	.0	2.6	2.6	2	.0	5.1
1	.0	.0	2.6	5.1	3	.0	7.7
0	.0	2.6	20.5	.0	9	2.6	20.5
-1	.0	12.8	15.4	.0	11	2.6	25.6
-2	.0	10.3	15.4	.0	10	2.6	23.1
-3	.0	2.6	2.6	.0	2	.0	5.1
-5	2.6	.0	.0	.0	1	.0	2.6
TOTAL	1	11	23	4	39	3	36
PCT	2.6	28.2	59.0	10.3	100.0	7.7	92.3

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	6.7	.0	.0	.0	.0	6.7	.0	4.2	10.0	.0	.0	.0	14.2
3-4	.0	3.3	3.3	.0	.0	.0	6.7	.0	3.0	7.5	.0	.0	.0	12.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	4.2	.0	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	10.0	3.3	.0	.0	.0	13.3	.0	13.3	17.5	.0	.0	.0	30.8

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	10.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.5	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0
3-4	.0	8.3	5.0	.0	.0	.0	13.3	.0	.0	7.5	.0	.0	.0	7.5
5-6	.0	.0	13.3	.0	.0	.0	13.3	.0	.0	.0	.0	.0	.0	.0
7	.0	2.5	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	23.3	18.3	.0	.0	.0	41.7	.0	.0	7.5	.0	.0	.0	7.5

PERIOD: (OVER-ALL) 1963-1974

DECEMBER

AREA 0021 TRINIDADE
20.1S 28.6W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.0	.8	.0	.0	.0	.0	.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	2.5	.0	.0	.0	2.5	.0	.0	.0	.8	.0	.0	.0	.0	.8

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	3.3	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.2	9.7	.0	.0	.0	.0	12.9	
1-2	.0	16.1	9.7	.0	.0	.0	25.8	
3-4	.0	16.1	22.6	.0	.0	.0	38.7	
5-6	.0	.0	12.9	.0	.0	.0	12.9	
7	.0	6.3	3.2	.0	.0	.0	9.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.2	48.4	48.4	.0	.0	.0	100.0	31

PERIOD: (OVER-ALL) 1958-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	18.9	13.5	2.7	2.7	.0	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	4
6-7	.0	.0	27.0	8.1	8.1	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	5
8-9	.0	.0	.0	5.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
TOTAL	.0	7	15	6	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	37	5
PCT	.0	18.9	40.5	16.2	10.8	.0	13.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PEPIND: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

ANNUAL

TABLE 1

APEA 0021 TRINIDADE
19.95 28.8W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WNO DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FUG WD PCPN	FUG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	1.9	4.6	.0	.0	.0	.0	.0	6.5	.0	.0	4.5	.0	.0	.0	80.7
NE	1.7	3.8	.0	.0	.0	.0	.0	3.5	2.6	.0	4.8	.0	.0	.0	87.1
E	9.3	4.8	.0	.0	.0	.0	.0	14.1	2.2	.0	3.9	.0	.0	.0	78.4
SE	1.1	5.0	1.0	.0	.0	.0	.0	7.1	.0	.0	3.1	.0	.0	.0	81.5
S	.0	4.8	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	70.2
SW	4.2	.0	6.7	.0	.0	.0	.0	10.8	.0	.0	.0	.0	.0	.0	64.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3
NW	3.7	8.3	.0	.0	.0	.0	.0	12.0	.0	.0	.0	.0	.0	.0	38.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16.7
TOT PCT	2.3	4.6	.8	.0	.0	.0	.0	7.7	1.6	.0	4.3	.0	.0	.0	86.5
TOT OBS:	390														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	2.7	7.8	1.2	.0	.0	.0	.0	11.7	3.6	.0	2.9	.0	.0	.0	81.7
0600	1.5	5.5	.0	.0	.0	.0	.0	7.0	.9	.0	6.5	.0	.0	.0	85.6
1200	1.2	2.4	2.1	.0	.0	.0	.0	5.7	.0	.0	4.8	.0	.0	.0	89.7
1800	4.4	4.1	.0	.0	.0	.0	.0	8.5	1.4	.0	3.9	.0	.0	.0	86.2
TOT PCT TOT OBS:	2.6 405	4.5	.6	.0	.0	.0	.0	7.7	1.6	.0	4.9	.0	.0	.0	85.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.1	5.9	3.1	.4	*	.0		10.6	9.5		9.7	9.0	8.7	8.9	13.1	12.3	12.8	10.1
NE	2.0	12.1	9.8	1.0	*	.0		24.9	10.6		19.6	23.9	23.8	26.2	30.8	26.4	25.0	22.6
E	1.8	13.2	17.5	2.8	.1	.0		35.4	12.4		38.0	37.6	37.3	37.7	32.4	34.0	32.7	34.4
SE	.9	5.0	7.7	1.7	.1	.0		15.4	12.9		12.6	16.3	16.0	15.0	17.4	14.4	14.6	17.4
S	.5	1.7	2.0	.6	*	*		4.8	11.2		9.8	5.1	5.0	4.0	3.1	4.5	4.8	5.4
SW	.3	.8	.7	.3	*	.0		2.1	9.7		4.8	2.1	2.4	2.0	3.3	1.7	2.6	2.2
W	.2	.8	.3	.1	*	.0		1.3	8.7		.0	1.0	1.2	1.7	.0	1.3	1.3	1.6
NW	.6	2.0	.9	.1	*	.0		3.5	8.7		4.0	2.5	3.3	2.6	.0	3.9	4.7	3.6
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.0							2.0	.0		1.4	2.6	2.2	1.9	.0	1.6	1.8	2.7
TOT OBS							10209		11.3		65	1343	1342	1321	54	3063	1299	1522
TOT PCT	9.3	41.4	41.9	7.0	.4	*		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	12	18
N	3.7	5.5	1.3	.1	*		10.6	9.5	9.1	8.8	12.3	11.2	
NE	6.4	14.2	4.1	.2	.0		24.9	10.6	23.8	24.9	26.4	23.7	
E	6.4	19.1	9.2	.7	.0		35.4	12.4	37.4	37.5	34.2	33.6	
SE	2.7	7.3	5.1	.3	*		15.4	12.9	16.1	15.6	14.3	16.1	
S	1.2	2.1	1.3	.1	*		4.8	11.2	5.2	4.5	4.5	5.1	
SW	.7	.8	.5	.1	*		2.1	9.7	2.1	2.2	1.7	2.4	
W	.6	.6	.1	*	*		1.3	8.7	1.0	1.4	1.3	1.5	
NW	1.6	1.6	.3	*	*		3.5	8.7	2.8	3.0	3.8	4.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.0						2.0	.0	2.5	2.1	1.5	2.3	
TOT OBS						10209		11.3	1408	2863	3117	2821	
TOT PCT	25.3	51.2	21.9	1.5	.1		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

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AREA 0021 TRINDADE
19.95 28.8W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
0000	2.5	7.7	40.1	42.2	7.1	.4	.0	11.4	100.0	1408
0600	2.1	8.8	40.3	43.1	7.4	.4	.0	11.6	100.0	2863
1200	1.5	6.3	40.1	43.9	7.9	.3	.0	11.7	100.0	3117
1800	2.3	8.6	44.8	38.3	5.6	.3	.0	10.7	100.0	2821
TOT								11.3		10209
PCT	2.0	7.3	41.4	41.9	7.0	.4	*		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	5.2	2.8	2.2	.9		2.3
NE	7.5	11.2	6.7	1.6		4.2
E	11.8	11.0	8.2	3.0		3.4
SE	4.7	4.2	5.3	.9		3.1
S	2.3	.9	.6	2.0		2.0
SW	.7	.6	.2	.4		2.6
W	.9	.0	1.2	.0		1.2
NW	.6	.3	1.5	.0		1.1
VAR	.0	.0	.0	.0		.0
CALM	.0	.8	.0	.0		.5
TOT OBS					235	3.7
TOT PCT	33.7	31.8	25.9	8.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.8	.8	.0	.0	.0	9.4	
.3	.1	.0	2.1	.9	.2	.6	.2	.0	.0	22.7	
.0	.4	.9	1.7	.6	2.8	1.7	.2	.0	.0	26.5	
.0	.0	.1	1.0	1.5	.5	.9	.0	.0	.0	11.4	
.0	.0	.6	.8	.4	.0	.2	.0	.0	.0	3.8	
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	1.9	
.0	.0	.0	.4	.4	.4	.0	.0	.0	.0	.9	
.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	1.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
.3	.5	.9	6.1	4.3	4.7	3.7	.4	.0	.0	79.1	235
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM)							
	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
OR >5000	.4	.4	.4	.4	.4	.4	.4	.4
OR >3500	1.9	2.7	4.1	4.1	4.1	4.1	4.1	4.1
OR >2000	3.6	6.1	7.8	8.4	8.4	8.4	8.4	8.4
OR >1000	6.1	9.5	11.3	11.8	12.2	12.2	12.2	12.2
OR >600	11.3	15.7	17.5	18.0	18.4	18.4	18.4	18.4
OR >300	11.9	16.6	18.4	18.9	19.3	19.3	19.3	19.3
OR >150	11.9	17.2	18.9	19.4	19.8	19.8	19.8	19.8
OR >0	11.9	17.2	18.9	19.8	20.2	20.2	20.2	20.2

TOTAL NUMBER OF OBS: 231

PCT FREQ NH <5/8: 79.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
9.3	19.6	20.2	17.3	12.5	10.6	1.9	3.7	4.6	.3	246

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

ANNUAL

AREA 0021 TRINDADE
19.95 28.8W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.3	.3	.4	.0	.0	.0	.0	.0	.0	.9	
	TOT %	.0	.3	.3	.4	.0	.0	.0	.0	.0	.0	.9	
2<5	PCP	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	
	NO PCP	.3	.8	2.4	*	.0	.0	.0	.0	.0	.0	3.5	
	TOT %	.3	.8	2.4	*	.0	.6	.0	.0	.0	.0	4.1	
5<10	PCP	.5	1.8	1.2	.6	.4	.0	.0	.5	.0	.0	4.8	
	NO PCP	4.1	9.7	9.6	3.2	.6	1.0	.6	.4	.0	.3	29.4	
	TOT %	4.6	11.5	10.8	3.7	.9	1.0	.6	.8	.0	.3	34.3	
10+	PCP	.3	.0	1.3	.5	.0	.0	.0	.0	.0	.0	2.1	
	NO PCP	7.5	15.7	20.5	8.6	3.3	.6	.4	1.3	.0	.3	58.3	
	TCT %	7.8	15.7	21.8	9.1	3.3	.6	.4	1.3	.0	.3	60.4	
TOT OBS													387
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.6	.6
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.2	.1	.3	.0	.2	.0	.0	.0	.0	.8	.8
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.6	.6	.7	.0	.0	.0	.0	.2	.0	.0	2.2	2.2
	11-21	.0	.2	1.1	.1	.1	.3	.0	.0	.0	.0	1.7	1.7
	22+	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1
	TOT %	.7	.8	1.8	.1	.1	.3	.0	.3	.0	.0	4.1	4.1
5<10	0-3	1.1	.8	.3	.2	.0	.0	.0	.1	.0	.4	3.0	3.0
	4-10	1.3	6.0	4.8	2.1	.8	.5	.6	.6	.0	.0	16.7	16.7
	11-21	.6	2.4	3.5	1.0	.3	.5	.0	.1	.0	.0	8.5	8.5
	22+	.0	.3	.4	.1	.1	.0	.0	.0	.0	.0	.9	.9
	TOT %	3.0	9.6	9.1	3.4	1.2	.9	.6	.9	.0	.4	29.1	29.1
10+	0-3	.1	1.4	.4	.5	.3	.0	.3	.0	.0	.5	3.6	3.6
	4-10	5.0	9.2	10.5	4.2	1.6	.8	.2	.9	.0	.0	32.5	32.5
	11-21	2.7	7.4	10.0	3.4	2.2	.4	.2	.3	.0	.0	26.6	26.6
	22+	.1	.7	.8	.1	.5	.8	.0	.1	.0	.0	3.1	3.1
	TOT %	7.9	18.7	21.8	8.3	4.6	2.1	.6	1.3	.0	.5	65.8	65.8
TOT OBS													530
TOT PCT													100.0

ANNUAL

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

AREA 0021 TRINIDADE
19.95 28.8W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	1.2	.0	1.0	2.1	2.1	4.2	.6	.0	.0	.0	11.2	88.8	61
06009	.0	1.2	.0	2.6	4.5	.9	7.2	.0	.0	.0	16.6	83.4	58
12015	.0	.0	1.7	10.0	8.3	2.1	4.2	1.2	.0	.0	27.4	72.6	52
18021	.0	.0	.0	5.8	5.8	8.9	1.8	.0	.0	.0	22.3	77.7	72
TOT													243
PCT	.3	.5	.9	5.7	4.3	4.6	3.6	.4	.0	.0	20.3	79.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.4	.9	5.7	30.8	62.2	107
06009	.0	.0	.4	4.4	38.6	56.6	149
12015	.0	.0	2.0	.8	20.6	76.7	116
18021	.0	.6	.4	3.6	28.1	67.3	173
TOT							545
PCT	.0	.4	.9	3.9	29.4	65.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	1.4	2.6	10.4	5.2	84.4	57
06009	.0	1.4	10.8	6.7	82.4	55
12015	.0	1.7	14.4	13.7	71.9	50
18021	.0	1.2	8.5	13.8	77.7	69
TOT						231
PCT	.3	2.2	12.5	9.5	78.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.5	.0	.0	.5	
85/89	.0	.0	.0	.0	.4	.4	.0	.0	.8	
80/84	.0	.0	.0	.3	5.5	10.9	2.0	1.3	20.0	
75/79	.0	.0	.0	.6	5.6	22.6	9.5	5.0	43.3	
70/74	.0	.0	.0	.6	6.2	12.7	7.2	6.4	33.2	
65/69	.0	.0	.0	.2	.0	.8	.5	.2	1.7	
60/64	.0	.0	.0	.0	.0	.0	.5	.0	.5	
TOTAL									270	100.0
PCT	.0	.0	.0	1.7	17.6	48.0	19.8	12.9		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
85/89	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
80/84	3.4	8.0	7.7	.5	.2	.0	.0	.2	.0	.0
75/79	5.8	14.4	15.8	5.0	1.4	.4	.0	.2	.0	.4
70/74	3.7	6.7	11.4	7.6	2.5	.7	.2	.3	.0	.0
65/69	.5	.2	.0	.8	.2	.0	.0	.0	.0	.0
60/64	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOTAL	14.5	30.1	34.9	14.0	4.3	1.1	.2	.6	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	84	79	78	75	71	68	60	74.1	1341
06009	88	80	79	75	71	67	60	74.4	2731
12015	94	85	83	77	73	70	62	77.1	3041
18021	95	83	81	76	72	70	66	75.7	2679
TOT	95	84	81	76	72	69	60	75.5	9792

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.8	16.2	35.4	32.9	14.7	80	59		
06009	.0	.6	7.5	49.5	18.9	15.1	79	73		
12015	.0	2.3	24.1	52.0	15.4	6.2	74	63		
18021	.0	3.0	20.3	45.0	21.7	10.1	75	86		
TOT	0	9	49	132	55	36	77	281		

ANNUAL

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

TABLE 17

AREA 0021 TRINIDADE
19.95 28.84PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WO FOG
9/10	.0	.0	.0	.4	.4	.0	.0	.5	3	.0	1.3
7/8	.0	.0	.0	.4	.0	.0	.0	.0	1	.0	.4
6	.0	.0	.0	.0	.0	.4	.0	.0	1	.0	.4
5	.0	.0	.0	.0	.4	.0	.4	.0	3	.0	.8
4	.0	.0	.0	.4	.8	.2	.3	.0	5	.0	1.8
3	.0	.0	.0	.4	.2	1.1	.0	.0	5	.0	1.7
2	.0	.0	.2	2.0	2.3	2.2	.3	.0	21	.0	7.0
1	.0	.0	.4	4.9	1.4	2.8	.0	.0	27	.9	9.1
0	.0	.3	1.2	6.7	9.2	1.5	.0	.0	61	1.8	17.1
-1	.0	.0	1.6	10.6	6.1	1.4	.0	.0	65	1.5	18.3
-2	.3	.0	3.8	7.8	7.0	1.8	.0	.0	64	1.1	19.6
-3	.0	.0	2.5	4.6	2.3	.0	.0	.0	27	.2	9.2
-4	.0	.5	1.6	.8	.8	.0	.0	.0	12	.0	3.6
-5	.0	.0	1.5	1.3	1.2	.0	.0	.0	13	.0	4.0
-6	.0	.0	.0	.5	.0	.0	.0	.0	1	.0	.5
-7/-8	.0	.2	.0	.0	.0	.0	.0	.0	1	.0	.2
TOTAL									310		
PCT	.3	1.0	12.8	40.7	32.2	11.4	1.1	.5	100.0	4.9	95.1

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.6	1.4	2.2	.0	.0	.0	4.2	.6	5.8	3.9	.0	.0	.0	.0	10.3	.6
3-4	.0	.3	1.5	.0	.0	.0	1.7	.0	3.2	4.3	.0	.0	.0	.0	7.5	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.0	.0	.0	.0	.0	1.5	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.3	1.2	.8	.0	.0	.0	2.3	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	1.7	3.7	.0	.0	.0	5.9	.6	9.9	11.5	.8	.0	.0	.0	22.8	.6

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	2.2	.0	.0	.0	.0	2.2	.0	.8	.0	.0	.0	.0	.0	.8	.0
1-2	.8	6.6	6.1	.0	.0	.0	13.5	.0	3.7	2.1	.0	.0	.0	.0	5.8	.0
3-4	.0	2.9	7.8	.0	.0	.0	10.7	.0	.8	1.2	.0	.0	.0	.0	1.9	.0
5-6	.0	1.4	10.8	.0	.0	.0	12.2	.0	.0	6.4	.0	.0	.0	.0	6.4	.0
7	.0	.2	.8	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	13.3	25.6	.0	.0	.0	39.6	.0	5.3	9.7	.0	.0	.0	.0	15.0	.0

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.4	.8	.0	.0	.0	1.3	.0	.0	1.1	.0	.0	.0	1.1
3-4	.0	.0	.6	.0	.0	.0	.6	.0	.0	1.2	.0	.0	.0	1.2
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.6
7	.0	.0	.2	.0	.0	.0	.2	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	2.2	.0	.0	.0	2.6	.0	.0	2.9	.0	.0	.0	2.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	2.1	.0	.0	.0	.0	2.1	.0	.7	.0	.0	.0	.0	.7	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.8	.1	.0	.0	.0	1.0	
3-4	.0	2.4	.6	.0	.0	.0	3.0	.0	.0	1.1	.0	.0	.0	1.1	
5-6	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	4.5	1.1	.0	.0	.0	5.6	.0	1.5	1.3	.0	.0	.0	2.8	97.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	3.6	5.8	.0	.0	.0	.0	9.4	
1-2	1.8	18.6	18.2	.0	.0	.0	36.7	
3-4	.0	9.5	17.9	.0	.0	.0	27.4	
5-6	.0	1.9	19.8	.0	.0	.0	21.8	
7	.0	.5	2.3	.8	.0	.0	3.6	
8-9	.0	.0	1.2	.0	.0	.0	1.2	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.4	36.4	57.5	.8	.0	.0	100.0	135

PERIOD: (OVER-ALL) 1950-1970

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	18.4	15.8	6.1	.2	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	3
6-7	.0	1.8	10.1	7.3	3.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	51	4
8-9	.0	.6	2.1	2.1	4.9	4.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	7
10-11	.0	2.0	.0	.0	.0	.8	1.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	1.4	.0	.8	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEX	2.2	.5	3.3	.8	.5	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
TOTAL																				198	4
PCT	2.8	23.3	32.8	16.3	9.8	7.4	7.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

TABLE 20

AREA 0021 TRINIDADE
19.95 28.8W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	2	*
85/86	.0	.0	.7	1.9	.0	.0	.0	.0	.0	.0	.0	.0	12	.1
83/84	2.1	2.2	6.5	2.3	.1	.0	.0	.0	.0	.0	.0	.1	56	.6
81/82	17.2	28.6	32.6	18.7	4.9	.2	.0	.0	.0	.0	.4	1.2	443	5.0
79/80	34.2	48.9	42.6	35.5	17.3	1.9	.5	.3	.0	.3	2.3	13.3	1012	11.3
77/78	35.0	19.4	15.5	28.9	45.1	14.1	4.9	.6	.5	3.5	16.3	42.5	1730	19.4
75/76	7.5	2.5	1.6	10.0	26.3	48.4	24.8	2.8	6.3	17.8	49.5	31.1	2092	23.4
73/74	.8	.3	.5	1.1	4.7	31.2	54.6	39.7	42.9	50.6	28.2	11.4	2260	25.3
71/72	.3	.0	.0	.2	1.1	2.7	13.4	46.6	43.4	22.8	2.7	.4	1097	12.3
69/70	.3	.0	.0	.2	.1	.7	1.7	8.5	5.9	4.8	.4	.1	184	2.1
67/68	1.8	.0	.0	.2	.2	.5	.0	.7	.9	.0	.1	.0	27	.3
65/66	.0	.0	.0	.0	.1	.3	.0	.9	.2	.1	.1	.0	13	.1
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	2	*
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	389	319	432	470	822	583	573	683	938	977	1395	1349	8930	100.0
MEAN	78.5	79.6	79.9	78.9	77.2	74.9	73.8	72.2	72.4	73.3	75.2	76.7	76.0	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1015	1016	1015	1016	1019	1016	1015	1016	1016	213
FEB	1018	1016	1015	1017	1017	1016	1015	1016	1016	211
MAR	1015	1016	1014	1016	1016	1015	1014	1016	1015	217
APR	1016	1016	1015	1017	1017	1016	1015	1016	1016	232
MAY	1017	1018	1016	1017	1017	1018	1016	1017	1017	401
JUN	1021	1021	1020	1022	1020	1020	1020	1021	1021	268
JUL	1023	1023	1022	1023	1023	1023	1022	1023	1022	331
AUG	1023	1022	1021	1022	1024	1021	1021	1022	1022	304
SEP	1023	1021	1020	1021	1022	1021	1020	1021	1021	446
OCT	1020	1019	1017	1019	1019	1018	1018	1019	1018	395
NOV	1016	1017	1015	1017	1015	1016	1015	1016	1016	654
DEC	1017	1017	1015	1017	1015	1017	1016	1017	1016	731
ANN	1019	1019	1017	1019	1019	1018	1017	1018	1018	4403
OBS	64	584	628	583	52	1275	626	591		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1004	1006	1011	1015	1016	1017	1019	1020	1025
FEB	1005	1008	1012	1014	1016	1017	1020	1023	1024
MAR	1008	1009	1011	1014	1016	1017	1018	1019	1020
APR	1007	1007	1011	1014	1016	1017	1020	1022	1024
MAY	1007	1008	1011	1015	1017	1020	1022	1023	1026
JUN	1012	1014	1016	1019	1021	1022	1025	1028	1030
JUL	1010	1015	1018	1020	1022	1024	1028	1030	1032
AUG	1012	1013	1017	1019	1021	1024	1027	1032	1033
SEP	1009	1012	1015	1019	1021	1023	1025	1026	1028
OCT	1009	1010	1013	1016	1019	1021	1023	1024	1030
NOV	999	1003	1010	1014	1017	1018	1021	1022	1023
DEC	1007	1009	1012	1015	1016	1018	1021	1025	1027

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

JANUARY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.8	.0	3.7	.0	.0	.0	.0	5.5	1.4	.0	.0	.0	.0	93.1
SE	.4	2.6	.4	.0	.0	.0	.0	3.5	2.4	.0	.0	.0	.4	93.7
S	.0	.0	8.2	.0	.0	.0	.0	8.2	6.1	.0	.0	.0	.0	85.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.7	2.0	1.3	.0	.0	.0	.0	4.0	2.3	.0	.0	.0	.3	93.4
TOT OBS:	303													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
00003	.0	2.2	1.1	.0	.0	.0	.0	3.3	2.2	.0	.0	.0	.0	94.5
06009	1.2	2.4	2.4	.0	.0	.0	.0	6.0	3.6	.0	.0	.0	1.2	89.2
12015	.0	1.4	1.4	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	97.0
18021	1.6	1.6	.0	.0	.0	.0	.0	3.3	3.3	.0	.0	.0	.0	93.4
TOT PCT	.7	2.0	1.3	.0	.0	.0	.0	3.9	2.3	.0	.0	.0	.3	93.4
TOT OBS:	305													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0		.1	6.6	.6	.0	.0	.0	.3	.0	.0	.0	.0
NE	.1	.8	.4	.0	.0	.0		1.3	9.8	.7	1.7	.6	.6	2.1	1.9	.6	.4	.9
E	.5	6.6	9.3	.4	.0	.0		16.8	12.0	15.2	12.6	14.1	19.2	21.1	17.0	15.1	15.4	
SE	.9	28.7	42.7	1.9	*	.0		74.1	12.2	76.4	76.0	81.1	71.0	70.9	72.5	80.2	74.3	
S	.4	3.7	2.7	.1	*	.0		6.8	10.7	6.4	8.9	4.2	7.2	5.3	8.3	4.3	8.0	
SW	.0	.4	.2	.0	.0	.0		.5	8.7	.3	.8	.0	.3	.4	.9	.0	.9	
W	.0	.1	.0	.0	.0	.0		.1	5.0	.0	.0	.0	.0	.0	.6	.0	.2	
NW	.0	.1	.0	.0	.0	.0		.1	6.0	.1	.0	.0	.0	.3	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1							.1	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0
TOT OBS	31	659	899	40	1	0	1630		11.9		298	241	78	195	380	162	58	218
TOT PCT	1.9	40.4	53.2	2.5	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21
N	.1	*	.0	.0	.0	.1	6.6	.3	.2	.0	.0	
NE	.2	1.0	.1	.0	.0	1.3	9.8	1.1	1.6	1.5	.8	
E	2.0	11.3	3.5	.0	.0	16.8	12.0	14.0	17.8	19.8	15.3	
SE	8.4	51.0	14.7	*	.0	74.1	12.2	76.3	73.9	71.4	75.7	
S	1.3	4.5	1.0	*	.0	6.8	10.7	7.5	6.3	6.2	7.2	
SW	.2	.3	.0	.0	.0	.5	8.7	.6	.2	.6	.7	
W	.1	.0	.0	.0	.0	.1	5.0	.0	.0	.2	.2	
NW	.1	*	.0	.0	.0	.1	6.0	.0	.0	.2	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1					.1	.0	.2	.0	.2	.0	
TOT OBS	203	1110	316	1	0	1630	11.9	539	273	542	276	
TOT PCT	12.5	68.1	19.4	.1	.0		100.0	100.0	100.0	100.0	100.0	

JANUARY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1854-1976AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.2	1.1	40.1	55.8	2.8	.0	.0	12.0	100.0	539
06009	.0	1.5	43.2	53.1	2.2	.0	.0	12.0	100.0	273
12015	.2	2.0	41.3	53.3	3.0	.2	.0	11.9	100.0	542
18021	.0	2.4	36.6	59.4	1.1	.0	.0	12.0	100.0	276
TOT	2	29	659	899	40	1	0	11.9		1630
PCT	.1	1.8	40.4	55.2	2.5	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	.3	.0	.0		1.8
NE	.4	.0	.3	.0		3.8
E	3.2	4.0	6.8	5.1		5.2
SE	15.6	19.2	23.0	21.8		5.2
S	1.0	.3	1.6	.7		4.9
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.1	.0	.0		3.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.0	.0		2.0
TOT OBS	57	54	86	75	272	5.1
TOT PCT	21.0	19.9	31.6	27.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	
.0	.0	.4	4.0	3.6	2.0	.5	.0	.0	.0	8.7	
.7	.4	1.1	10.6	19.3	6.4	1.9	.4	.0	.0	34.7	
.0	.0	.0	1.3	.3	.7	.0	.0	.0	.0	1.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
.2	1	4	43	63	25	7	1	0	0	126	272
.7	.4	1.5	15.8	23.2	9.2	2.6	.4	.0	.0	46.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>6000	.0	.4	.4	.4	.4	.4	.4	.4
>3500	2.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
>2000	10.6	12.5	12.5	12.5	12.5	12.5	12.5	12.5
>1000	31.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2
>600	46.2	50.9	51.3	51.3	51.3	51.3	51.3	51.3
>300	47.3	52.4	52.7	52.7	52.7	52.7	52.7	52.7
>150	47.3	52.7	53.1	53.1	53.1	53.1	53.1	53.1
>0	48.0	53.5	53.8	53.8	53.8	53.8	53.8	53.8
TOTAL	131	146	147	147	147	147	147	147

TOTAL NUMBER OF OBS: 273

PCT FREQ NH <5/8: 46.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.8	14.0	10.5	11.2	7.4	9.1	7.4	16.5	21.1	.0	245

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

JANUARY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.0	.0	.3	1.0	.0	.0	.0	.0	.0	.0	1.3	5.0
	NO PCP	.0	.0	.9	3.5	.6	.0	.0	.0	.0	.0	5.0	
	TOT %	.0	.0	1.2	4.5	.6	.0	.0	.0	.0	.0	6.3	
10+	PCP	.0	.0	.7	1.3	.3	.0	.0	.0	.0	.0	2.3	90.7
	NO PCP	.6	.7	16.1	69.8	3.1	.0	.0	.1	.0	.3	90.7	
	TOT %	.6	.7	16.8	71.1	3.5	.0	.0	.1	.0	.3	93.0	
TOT OBS													302
TOT PCT		.6	.7	18.0	76.2	4.1	.0	.0	.1	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
	4-10	.0	.0	.3	.6	.3	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.9	3.9	.2	.0	.0	.0	.0	.0	5.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	1.2	4.5	.5	.0	.0	.0	.0	.0	6.2	
10+	0-3	.0	.0	1.2	1.3	.6	.0	.0	.0	.0	.3	3.4	42.2
	4-10	.5	.5	7.1	31.8	2.2	.0	.0	.1	.0	.0	42.2	
	11-21	.0	.2	8.3	38.6	.5	.0	.0	.0	.0	.0	47.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.5	.6	16.6	71.7	3.3	.0	.0	.1	.0	.3	93.2	
TOT OBS													322
TOT PCT		.5	.6	17.8	76.9	3.8	.0	.0	.1	.0	.3	100.0	

JANUARY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.35 5.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	1.2	.0	19.8	12.3	4.9	1.2	.0	.0	.0	39.5	60.5	81
06009	2.6	.0	2.6	17.1	32.9	10.5	6.6	1.3	.0	.0	73.7	26.3	76
12015	.0	.0	1.6	12.5	23.4	15.6	3.1	.0	.0	.0	56.3	43.6	64
18021	.0	.0	1.7	12.1	22.4	5.2	.0	.0	.0	.0	41.4	58.6	58
TOT	2	1	4	44	63	25	8	1	0	0	148	131	279
PCT	.7	.4	1.4	15.8	22.6	9.0	2.9	.4	.0	.0	53.0	47.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	1.0	9.2	89.8	98
06009	.0	.0	.0	.0	9.1	91.9	86
12015	.0	.0	.0	.0	3.9	96.1	77
18021	.0	.0	.0	1.6	1.6	96.8	63
TOT	0	0	0	2	20	302	324
PCT	.0	.0	.0	.6	6.2	93.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	1.3	22.8	17.7	59.5	79
06009	2.7	5.3	22.7	52.0	25.3	75
12015	.0	1.6	14.5	43.5	41.9	62
18021	.0	1.6	14.0	28.1	57.9	57
TOT	2	7	52	96	125	273
PCT	.7	2.6	19.0	35.2	45.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.4	.0	.4	.0	.0	.0	2	.8
85/89	.0	.0	.0	.0	.8	.0	.0	.0	2	.8
80/84	.0	.0	.0	1.1	3.4	.4	.0	.0	13	4.9
75/79	.0	.0	.0	1.9	5.3	13.3	5.3	1.5	72	27.4
70/74	.0	.0	.0	.0	4.2	25.1	22.4	11.4	166	63.1
65/69	.0	.0	.0	.0	.0	1.1	.8	1.1	8	3.0
TOTAL	0	0	1	8	37	105	75	37	263	100.0
PCT	.0	.0	.4	3.0	14.1	39.9	28.5	14.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.4	.4	.0	.0	.0	.0	.0	.0
.0	.0	.0	.8	.0	.0	.0	.0	.0	.0
.0	.0	1.2	3.7	.0	.0	.0	.0	.0	.0
.0	.2	5.3	18.5	2.9	.0	.0	.0	.0	.4
.7	.4	10.9	50.1	1.0	.0	.0	.1	.0	.0
.0	.2	.6	2.3	.0	.0	.0	.0	.0	.0
.7	.8	18.4	75.8	3.9	.0	.0	.1	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	79	77	75	72	69	66	65	71.9	502
06009	80	79	77	72	70	68	65	72.7	263
12015	94	85	81	75	71	70	66	75.5	521
18021	86	83	77	74	70	67	67	73.3	263
TOT	94	82	78	73	70	67	65	73.5	1549

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.4	2.7	32.4	44.6	18.9	82	74
06009	.0	1.3	6.7	41.3	26.7	24.0	81	75
12015	.0	6.3	33.9	46.8	8.1	4.8	72	62
18021	.0	5.6	16.7	38.9	31.5	7.4	76	54
TOT	0	9	37	105	75	39	78	263

JANUARY

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

TABLE 17

AREA 0022 ST. HELENA
15.35 5.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WC FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
17/19	.0	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
11/13	.0	.0	.0	.0	.0	1.0	.0	.0	3	.0	1.0
9/10	.0	.0	.0	.7	1.0	.0	.0	.0	5	.0	1.7
7/8	.0	.0	.0	1.0	1.7	.0	.0	.0	8	.0	2.8
6	.0	.0	.0	2.4	.0	.0	.0	.0	7	.0	2.4
5	.0	.0	.3	2.8	.3	.0	.0	.0	10	.0	3.5
4	.0	.3	2.1	2.1	.0	.0	.0	.0	13	.0	4.5
3	.0	.0	3.8	1.0	.3	.0	.0	.0	15	.0	5.2
2	.0	.7	4.2	.0	.0	.0	.0	.0	14	.0	4.8
1	.0	2.4	6.9	.7	.0	.0	.0	.0	29	.0	10.0
0	.0	7.6	9.7	.0	.0	.0	.0	.0	50	.0	17.3
-1	.0	7.6	7.3	.3	.0	.0	.0	.0	44	.0	15.2
-2	.3	9.3	2.8	.0	.0	.0	.0	.0	36	.0	12.5
-3	.3	5.5	3.5	.0	.0	.0	.0	.0	27	.0	9.3
-4	.0	4.2	.7	.0	.0	.0	.0	.0	14	.0	4.8
-5	.3	.7	.3	.0	.0	.0	.0	.0	4	.0	1.4
-6	.3	.7	.0	.0	.0	.0	.0	.0	3	.0	1.0
-7/-8	.7	.3	.3	.0	.0	.0	.0	.0	4	.0	1.4
-9/-10	.0	.0	.3	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	6		122		10		1		289	0	289
PCT	2.1	39.4	42.2	11.1	3.5	1.0	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.0	.6	.0	1.2	.0	.0	.0	.0	.0	1.2

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.8	.0	.0	.0	.0	.0	.8	.8	.8	.0	.0	.0	.0	.0	.0	.8
1-2	.0	6.8	.0	.0	.0	.0	6.8	.0	.0	11.4	4.8	.0	.0	.0	.0	16.2
3-4	.0	4.4	8.2	.0	.0	.0	12.6	.0	.0	18.8	17.4	.0	.0	.0	.0	36.2
5-6	.0	.0	3.0	.0	.0	.0	3.0	.0	.0	1.0	13.0	.0	.0	.0	.0	14.0
7	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	3.2	.0	.0	.0	.0	3.2
8-9	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	1.0	.0	.0	.0	.0	1.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	11.2	12.6	.0	.0	.0	24.6	.8	.8	31.2	40.2	.0	.0	.0	.0	72.2

PERIOD: (OVER-ALL) 1963-1976

JANUARY

AREA 0022 ST. HELENA
15.3S 9.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.2	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.6	.0	.0	.0	.0	.0	1.6	
1-2	.0	19.2	4.8	.0	.0	.0	24.0	
3-4	.0	24.8	25.6	.0	.0	.0	50.4	
5-6	.0	1.6	16.0	.0	.0	.0	17.6	
7	.0	.0	4.0	.0	.0	.0	4.0	
8-9	.0	.0	1.6	.0	.0	.0	1.6	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	45.6	52.8	.0	.0	.0	100.0	125

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	5.8	30.3	9.1	1.2	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	120	3
6-7	.0	.4	9.1	15.4	4.6	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	5
8-9	.0	.4	1.2	3.7	2.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	6
10-11	.0	.8	.4	.8	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	1.7	.4	1.2	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
>13	.0	.0	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	3
INDEX	.8	.0	.4	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
TOTAL	6	18	104	73	25	9	2	4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	241	4
PCT	2.5	7.5	43.2	30.3	10.4	3.7	.8	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976AREA 0022 ST. HELENA
15.35 5.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.9	.0	.0	.0	.0	.0	.9	3.2	.0	.0	.0	.0	.0	95.8
SE	1.0	.7	.7	.0	.0	.0	.0	2.4	2.1	.0	.0	.0	.0	.0	95.5
S	.0	9.5	7.1	.0	.0	.0	.0	16.7	.0	.0	9.5	.0	.0	.0	73.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.7	1.4	1.0	.0	.0	.0	.0	3.1	2.4	.0	.7	.0	.0	.0	93.8
TOT OBS:	289														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	1.3	1.3	1.3	.0	.0	.0	.0	3.9	.0	.0	2.6	.0	.0	.0	93.5
06009	.0	.0	.0	.0	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	96.7
12015	1.3	3.8	1.3	.0	.0	.0	.0	6.3	2.5	.0	1.3	.0	.0	.0	90.0
18021	.0	1.3	1.3	.0	.0	.0	.0	2.6	3.9	.0	.0	.0	.0	.0	93.4
TOT PCT TOT OBS:	.7 293	1.7	1.0	.0	.0	.0	.0	3.4	2.4	.0	1.0	.0	.0	.0	93.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.1	.1	.0	.0	.0	.0	.0	.2	3.0		.4	.0	.0	.6	.0	.4	.0	.2
NE	.0	.7	.1	.0	.0	.0	.0	.8	8.4		1.4	.7	.5	.9	.7	1.4	.0	.5
E	.6	7.0	8.0	.3	.0	.0	.0	16.0	11.6		13.6	12.6	15.9	15.0	20.6	16.7	25.4	11.8
SE	1.3	31.3	39.2	2.0	.0	.0	.0	73.8	11.8		74.9	74.2	74.1	73.9	71.0	69.9	73.6	76.7
S	1.0	3.8	2.7	.1	.0	.0	.0	7.7	9.5		8.1	9.2	7.7	8.6	6.9	8.0	1.1	8.1
SW	.2	.6	.1	.0	.0	.0	.0	.9	6.7		1.0	.9	.0	.9	.7	1.8	.0	1.2
W	.1	.0	.0	.0	.0	.0	.0	.1	2.7		.2	.0	.0	.0	.0	.7	.0	.2
NW	.0	.1	.1	.0	.0	.0	.0	.2	7.6		.0	.0	1.8	.0	.0	1.1	.0	.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.0		.4	.5	.0	.0	.0	.0	.0	1.0
TOT OBS	52	621	727	36	0	0	1446		11.5		250	221	35	162	347	138	67	204
TOT PCT	3.6	43.6	50.3	2.5	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+	00 03				06 09	12 15	18 21		
N	.2	.0	.0	.0	.0	.0	.2	3.0	.2	.5	.1	.2		
NE	.3	.4	.1	.0	.0	.0	.8	8.4	1.1	.8	.9	.4		
E	2.4	10.1	3.4	.0	.0	.0	16.0	11.6	13.1	15.2	19.5	15.2		
SE	6.7	31.8	13.2	.1	.0	.0	73.8	11.8	75.5	74.0	73.7	73.9		
S	2.5	4.2	.9	.0	.0	.0	7.7	9.5	8.6	8.4	7.2	6.3		
SW	.6	.3	.0	.0	.0	.0	.9	6.7	1.0	.7	1.0	.9		
W	.1	.0	.0	.0	.0	.0	.1	2.7	.1	.0	.2	.2		
NW	.1	.1	.0	.0	.0	.0	.2	7.6	.0	.5	.3	.2		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.3	.0	.0	.0	.0	.0	.3	.0	.4	.0	.0	.7		
TOT OBS	22	969	255	1	0	1446		11.5	471	217	485	273		
TOT PCT	15.3	67.0	17.6	.1	.0		100.0		100.0	100.0	100.0	100.0		

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.4	3.4	45.6	48.4	2.1	.0	.0	11.1	100.0	471
06009	.0	2.8	44.7	48.8	3.7	.0	.0	11.7	100.0	217
12015	.0	3.1	38.8	55.1	3.1	.0	.0	12.0	100.0	485
18021	.7	4.0	48.0	46.2	1.1	.0	.0	10.9	100.0	273
TOT	4	48	631	727	36	0	0	11.5		1446
PCT	.3	3.3	43.6	50.3	2.5	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	.0	.0	.0		1.0
NE	.4	.1	.0	.4		4.7
E	7.9	3.6	6.4	1.5		3.7
SE	19.5	19.1	24.8	11.0		4.4
S	.3	.6	2.0	1.0		6.0
SW	.4	.0	.0	.0		1.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.4		8.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.4	.0		6.0
TOT OBS	73	59	84	36	252	4.3
TOT PCT	29.0	23.4	33.3	14.3	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.9	
.0	.0	.6	.8	3.5	1.1	.0	.0	.0	.0	13.5	
.0	.0	1.8	4.0	13.9	6.2	1.6	.0	.0	.4	46.4	
.0	.0	.0	.0	1.7	.7	.0	.0	.0	.0	1.5	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	
.0	.0	.6	13	50	20	4	0	0	1	158	252
.0	.0	2.4	5.2	17.8	7.9	1.6	.0	.0	.4	62.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>4500	.4	.4	.4	.4	.4	.4	.4	.4
>4000	.4	.4	.4	.4	.4	.4	.4	.4
>3500	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
>2000	9.5	9.9	9.9	9.9	9.9	9.9	9.9	9.9
>1000	28.6	29.4	29.8	29.8	29.8	29.8	29.8	29.8
>600	33.3	34.5	34.9	34.9	34.9	34.9	34.9	34.9
>300	35.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3
>150	35.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3
>0	35.7	36.9	37.3	37.3	37.3	37.3	37.3	37.3
TOTAL	90	93	94	94	94	94	94	94

TOTAL NUMBER OF OBS: 252

PCT FREQ NH <5/8: 62.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.3	14.7	19.8	16.3	8.5	7.4	6.6	11.2	11.2	.0	258

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.35 5.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7	
	TOT %	.0	.0	.0	.2	.9	.0	.0	.0	.0	.0	1.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.0	.0	.2	.5	1.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.0	.0	.9	5.6	2.0	.2	.0	.0	.0	.0	8.7	
	TOT %	.0	.0	1.0	6.2	3.0	.2	.0	.0	.0	.0	10.4	
10+	PCP	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.3	.8	17.4	64.1	3.4	.3	.0	.3	.0	.3	87.2	
	TOT %	.3	.8	17.4	65.2	3.4	.3	.0	.3	.0	.3	88.2	
TOT OBS													288
TOT PCT		.3	.8	18.8	71.6	7.3	.5	.0	.3	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.2	.5	.0	.0	.0	.0	.0	.6	
	4-10	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.2	.8	.0	.0	.0	.0	.0	1.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.3	.3	1.4	.2	.0	.0	.0	.0	2.2	
	4-10	.0	.0	.5	3.0	1.4	.0	.0	.0	.0	.0	4.8	
	11-21	.0	.0	.2	2.7	.0	.0	.0	.0	.0	.0	2.9	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	1.0	6.0	2.8	.2	.0	.0	.0	.0	9.9	
10+	0-3	.3	.0	.8	.6	.2	.0	.0	.0	.0	.3	2.2	
	4-10	.0	.7	12.0	28.4	1.0	.3	.3	.3	.0	.0	42.8	
	11-21	.0	.0	6.2	34.3	2.0	.0	.0	.0	.0	.0	42.5	
	22+	.0	.0	.0	1.0	.3	.0	.0	.0	.0	.0	1.3	
	TOT %	.3	.7	19.0	64.2	3.6	.3	.0	.3	.0	.3	86.8	
TOT OBS													313
TOT PCT		.3	.7	20.2	70.4	7.2	.5	.0	.3	.0	.3	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	1.6	1.6	20.6	6.3	.0	.0	.0	.0	30.2	69.8	63
06009	.0	.0	5.6	9.3	27.8	9.3	3.7	.0	.0	.0	55.6	44.4	54
12015	.0	.0	1.4	5.7	20.0	7.1	.0	.0	.0	1.4	35.7	64.3	70
18021	.0	.0	1.4	4.2	11.3	8.5	2.8	.0	.0	.0	28.2	71.8	71
TOT	0	0	6	13	50	20	4	0	0	1	94	164	258
PCT	.0	.0	2.3	5.0	19.4	7.8	1.6	.0	.0	.4	36.4	63.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	2.4	.0	1.2	13.1	83.3	84
06009	.0	.0	.0	.0	11.1	88.9	63
12015	.0	1.1	.0	.0	11.1	87.8	90
18021	.0	1.3	.0	.0	6.3	92.5	80
TOT	0	4	0	1	33	279	317
PCT	.0	1.3	.0	.3	10.4	88.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL
(GMT)						OBS
00003	.0	1.6	4.8	25.8	69.4	62
06009	.0	5.6	14.8	40.7	44.4	54
12015	.0	1.5	7.4	29.4	63.2	68
18021	.0	1.5	5.9	23.5	70.6	68
TOT	0	6	20	74	198	252
PCT	.0	2.4	7.9	29.4	62.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
									OBS	FREQ
85/89	.0	.0	.0	.4	.8	.0	.0	.0	3	1.2
80/84	.0	.0	.0	.8	9.8	2.8	.4	.0	24	9.6
75/79	.0	.0	.0	1.2	8.8	30.3	11.2	3.2	137	54.6
70/74	.0	.0	.0	.0	1.6	15.1	12.0	5.2	85	33.9
65/69	.0	.0	.0	.4	.0	.0	.0	.4	2	.8
TOTAL	0	0	0	7	42	121	59	22	251	100.0
PCT	.0	.0	.0	2.8	16.7	48.2	23.5	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	.5	.0	.0	.0	.0	.0	.0
.0	.0	3.1	5.5	.6	.0	.0	.0	.0	.0
.0	.5	10.3	40.8	2.4	.6	.0	.0	.0	.0
.4	.0	4.7	23.7	4.3	.0	.0	.4	.0	.4
.0	.4	.0	.4	.0	.0	.0	.0	.0	.0
.4	.9	18.7	71.3	7.3	.6	.0	.4	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	80	78	77	74	71	69	68	73.6	446
06009	82	80	79	75	72	69	68	74.7	206
12015	87	86	82	77	73	71	69	77.0	468
18021	84	81	79	75	72	71	70	75.1	265
TOT	87	83	80	75	72	70	68	75.2	1385

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	2.9	4.3	44.9	34.8	13.0	79		69	
06009	.0	.0	5.5	47.3	34.5	12.7	80		55	
12015	.0	6.1	33.3	45.5	12.1	3.0	72		66	
18021	.0	1.6	23.4	53.1	15.6	6.3	75		64	
TOT	0	7	43	121	61	22	77		254	

FEBRUARY

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1855-1976

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	TOT	h FCG	WD FCG
11/13	.0	.0	.0	.0	.4	.0	1	.0	.4
9/10	.0	.0	.0	.4	.4	.0	2	.0	.7
7/9	.0	.0	.0	.0	3.7	.7	12	.0	4.5
6	.0	.0	.0	.4	.4	.0	2	.0	.7
5	.0	.0	.0	.7	1.1	.0	5	.0	1.9
4	.0	.0	.0	2.2	.4	.0	7	.0	2.6
3	.0	.0	1.1	3.7	.0	.0	13	.0	4.9
2	.0	.0	3.4	4.5	.0	.0	21	.0	7.9
1	.0	.4	7.9	4.5	.0	.0	34	.4	12.4
0	.0	.4	12.9	4.5	.0	.0	50	.0	18.7
-1	.0	1.9	17.6	1.9	.0	.0	57	.4	21.0
-2	.0	2.2	7.9	.7	.0	.0	29	.4	10.5
-3	.0	1.5	6.0	.0	.0	.0	20	.0	7.5
-4	.4	1.1	2.6	.0	.0	.0	11	.0	4.1
-5	.0	.4	.4	.0	.0	.0	2	.0	.7
-7/-8	.4	.0	.0	.0	.0	.0	1	.0	.4
TOTAL	2	21	162	63	16	3	267	3	264
PCT	.7	7.9	60.7	23.6	6.0	1.1	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	.0	.0	.0	.0	.0	.9	.0	1.2	.0	.0	.0	.0	1.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.9	1.6	.0	.0	.0	.0	2.5	.0	3.0	.0	.0	.0	.0	3.0
1-2	.0	4.4	1.9	.0	.0	.0	6.3	.2	13.2	6.5	.0	.0	.0	19.9
3-4	.0	6.9	2.3	.0	.0	.0	9.3	.0	8.8	22.2	.9	.0	.0	31.9
5-6	.0	.0	2.3	.0	.0	.0	2.3	.0	.9	12.7	.9	.0	.0	14.6
7	.0	.0	.0	.0	.0	.0	.0	.0	.9	.2	.0	.0	.0	1.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9	.0	.0	.0	1.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	13.0	6.5	.0	.0	.0	20.4	.2	26.9	43.5	1.9	.0	.0	72.5

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY

AREA 0022 ST. HELENA
15.3S 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.7	.7	.0	.0	.0	.0	1.4	.0	.9	.0	.0	.0	.0	.9	.0
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	.7	2.8	.0	.0	.0	4.2	.0	.9	.0	.0	.0	.0	.9	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	1.9	4.6	.0	.0	.0	.0	6.5	
1-2	.9	20.4	8.3	.0	.0	.0	29.6	
3-4	.0	15.7	25.9	.0	.0	.0	42.6	
5-6	.0	.9	15.7	.9	.0	.0	17.6	
7	.0	.9	.9	.0	.0	.0	1.9	
8-9	.0	.0	1.9	.0	.0	.0	1.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.8	42.6	52.8	1.9	.0	.0	100.0	108

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.3	11.7	18.3	6.6	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	3
6-7	.0	.9	16.4	12.7	2.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	4
8-9	.0	.5	1.4	4.7	2.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
10-11	.0	.0	.5	2.3	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
12-13	.0	.0	.9	1.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
>13	.0	.0	.0	2.3	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
INDET	.0	.5	1.9	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
TOTAL	7	29	84	66	19	8	0	0	0	0	0	0	0	0	0	0	0	0	0	213	4
PCT	3.3	13.6	39.4	31.0	8.9	3.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

MARCH

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	2.6	1.3	.0	.0	.0	.0	3.9	1.0	.7	.0	.0	.0	94.3
SE	.7	2.8	.3	.0	.0	.0	.0	3.8	2.1	.2	.5	.0	.0	93.3
S	.0	6.4	.0	.0	.0	.0	.0	6.4	.0	.0	2.1	.0	.0	91.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	16.7	.0	.0	.0	.0	.0	16.7	.0	.0	.0	.0	.0	83.3
TOT PCT	.5	3.1	.5	.0	.0	.0	.0	4.0	1.7	.2	.5	.0	.0	93.6
TOT OBS:	423													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
00003	.8	2.5	.0	.0	.0	.0	.0	3.4	.8	.0	.8	.0	.0	94.9
06009	.0	7.7	1.1	.0	.0	.0	.0	8.8	4.4	.0	.0	.0	.0	86.8
12015	.0	1.7	.0	.0	.0	.0	.0	1.7	1.7	.0	.0	.0	.0	96.5
18021	1.0	1.0	1.0	.0	.0	.0	.0	2.9	.0	1.0	1.0	.0	.0	95.1
TOT PCT	.5	3.1	.5	.0	.0	.0	.0	4.0	1.6	.2	.5	.0	.0	93.7
TOT OBS:	426													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.1	.2	.1	.0	.0	.0	.4	7.8	.0	.6	.0	.8	.5	.3	.0	.4		
NE	.1	1.1	.4	.0	.0	.0	1.6	8.9	1.5	1.1	1.3	2.0	2.2	2.0	1.4	.9		
E	.3	7.0	11.9	.6	*	.0	19.9	12.8	22.5	19.8	16.7	20.1	20.2	20.7	23.3	15.5		
SE	2.2	23.3	41.5	3.7	.2	.0	70.9	12.9	69.2	71.5	78.3	68.3	70.7	68.1	69.3	74.9		
S	.5	2.8	1.9	.2	.0	.0	5.3	9.9	5.9	5.1	3.3	7.1	3.7	6.0	2.6	6.9		
SW	.4	.4	.0	.0	.0	.0	.8	4.6	.2	.4	.3	1.3	.8	1.7	.0	1.1		
W	*	*	.0	.0	.0	.0	.1	3.2	.3	.0	.0	.0	.1	.0	.0	.0		
NW	.1	.2	*	.0	.0	.0	.3	6.1	.1	.2	.0	.0	.5	.6	1.1	.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.8						.8	.0	.4	1.3	.0	.5	1.3	.6	2.3	.4		
TOT OBS	75	583	928	74	3	0	1663	12.5		277	237	75	197	383	174	87		
TOT PCT	4.5	35.1	55.8	4.4	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	.3	*	.1	.0	.0	.4	7.8	.3	.6	.4	1.3		
NE	.5	1.0	.2	.0	.0	1.6	8.9	1.3	1.8	2.1	1.0		
E	1.8	12.9	5.0	.2	.0	19.9	12.8	21.3	19.1	20.4	17.6		
SE	8.1	43.1	18.8	.9	.0	70.9	12.9	70.3	71.0	69.9	73.4		
S	1.5	3.2	.6	.0	.0	5.3	9.9	5.5	6.1	4.4	5.7		
SW	.6	.2	.0	.0	.0	.8	4.6	.3	1.0	1.1	.8		
W	.1	.0	.0	.0	.0	.1	3.2	.1	.0	.1	.0		
NW	.2	*	*	.0	.0	.3	6.1	.1	.0	.5	.3		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.8					.8	.0	.8	.4	1.1	.9		
TOT OBS	230	1004	411	18	0	1663	12.5	514	272	557	320		
TOT PCT	13.8	60.4	24.7	1.1	.0		100.0	100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

MARCH

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.8	4.3	34.7	57.2	3.3	.2	.0	12.2	100.0	514
06009	.4	4.0	35.3	55.5	4.4	.4	.0	12.7	100.0	272
12015	1.1	3.2	34.8	55.3	5.4	.2	.0	12.5	100.0	557
18021	.9	3.1	36.6	54.7	4.7	.0	.0	12.5	100.0	320
TOT	14	61	583	928	74	3	0	12.5	100.0	1663
PCT	.8	3.7	35.1	55.8	4.4	.2	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.5	.4	.3	.0		3.6
E	8.2	5.0	5.3	3.1		4.0
SE	17.8	15.9	27.8	11.1		4.7
S	1.8	.7	.5	.0		2.8
SW	.1	.0	.0	.0		1.0
W	.2	.0	.0	.0		1.0
NW	.7	.0	.0	.0		1.0
VAR	.0	.0	.0	.0		.0
CALM	.3	.3	.0	.0		2.5
TOT OBS	94	71	108	45	318	4.4
TOT PCT	29.6	22.3	34.0	14.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2
E	.0	.0	.0	2.0	3.2	1.0	.9	.2	.0	.2	.1	14.0
SE	.3	.3	.3	9.4	11.2	8.4	1.7	.4	.0	.1	.1	40.5
S	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	2.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
TOT OBS	1	1	1	37	46	30	8	2	0	1	191	318
TOT PCT	.3	.3	.3	11.6	14.5	9.4	2.5	.6	.0	.3	60.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
• OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
• OR >5000	.9	.9	.9	.9	.9	.9	.9	.9
• OR >3500	3.1	3.4	3.4	3.4	3.4	3.4	3.4	3.4
• OR >2000	12.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8
• OR >1000	26.3	27.2	27.2	27.2	27.2	27.2	27.2	27.2
• OR >600	36.9	38.8	38.8	38.8	38.8	38.8	38.8	38.8
• OR >300	37.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1
• OR >150	37.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4
• OR >0	37.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7
TOTAL	121	127	127	127	127	127	127	127

TOTAL NUMBER OF OBS: 320

PCT FREQ NH <5/8: 60.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	2.4	13.4	20.5	12.5	11.3	10.1	7.7	11.6	10.4	.0	336

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

MARCH

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15.35 5.24

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.2	.7	
	NO PCP	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.5	
	TOT %	.0	.0	.0	.8	.1	.0	.0	.0	.0	.2	1.2	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.2	1.3	.4	.0	.0	.0	.0	.0	1.9	
	NO PCP	.0	.0	1.5	8.9	1.9	1.2	.0	.0	.0	.7	14.2	
	TOT %	.0	.0	1.8	10.2	2.2	1.2	.0	.0	.0	.7	16.1	
10+	PCP	.0	.0	.5	.9	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	1.1	15.9	59.9	3.2	.1	.2	.5	.0	.5	81.3	
	TOT %	.0	1.1	16.4	60.8	3.2	.1	.2	.5	.0	.5	82.7	
TOT OBS		.0	1.1	18.1	71.8	5.6	1.2	.2	.5	.0	1.4	100.0	423
TOT PCT		.0	1.1	18.1	71.8	5.6	1.2	.2	.5	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.6	.1	.0	.0	.0	.0	.2	.9	
	4-10	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.8	.1	.0	.0	.0	.0	.2	1.1	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.2	2.3	.8	.7	.0	.0	.0	.7	4.6	
	4-10	.0	.0	.7	3.5	1.3	.4	.0	.0	.0	.0	6.0	
	11-21	.0	.0	.9	1.9	.0	.0	.0	.0	.0	.0	2.9	
	22+	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	2.0	
	TOT %	.0	.0	1.8	9.8	2.1	1.1	.0	.0	.0	.7	15.5	
10+	0-3	.0	.0	.4	1.6	.2	.1	.2	.3	.0	.9	3.5	
	4-10	.0	1.0	7.3	20.3	1.1	.0	.0	.2	.0	.0	29.9	
	11-21	.0	.1	8.8	37.7	1.6	.0	.0	.0	.0	.0	48.2	
	22+	.0	.0	.0	1.6	.2	.0	.0	.0	.0	.0	1.8	
	TOT %	.0	1.1	16.5	61.2	3.0	.1	.2	.5	.0	.9	83.4	
TOT OBS		.0	1.1	18.4	71.8	5.2	1.2	.2	.5	.0	1.8	100.0	452
TOT PCT		.0	1.1	18.4	71.8	5.2	1.2	.2	.5	.0	1.8	100.0	

MARCH

PERIOD: (PRIMARY) 1855-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.35 5.24

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	12.5	8.0	9.1	2.3	1.1	.0	.0	33.0	67.0	88
06009	.0	.0	1.4	21.6	18.9	8.1	2.7	.0	.0	1.4	54.1	45.9	74
12015	.0	1.2	.0	9.6	21.7	9.6	3.6	.0	.0	.0	45.8	54.2	83
18021	1.2	.0	.0	2.4	8.3	9.5	1.2	1.2	.0	.0	23.8	76.2	84
TOT	1	1	1	37	46	30	8	2	0	1	127	202	329
PCT	.3	.3	.3	11.2	14.0	9.1	2.4	.6	.0	.3	38.6	61.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	2.4	.0	.0	15.3	82.3	124
06009	.0	1.0	.0	.0	16.7	82.3	96
12015	.0	.0	.0	.0	17.3	82.7	127
18021	.0	.9	.0	.0	13.0	86.1	108
TOT	0	5	0	0	71	379	455
PCT	.0	1.1	.0	.0	15.6	83.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	12.6	20.7	66.7	87
06009	.0	1.4	23.6	31.9	44.4	72
12015	.0	1.3	11.4	36.7	51.9	79
18021	1.2	1.2	3.7	20.7	75.6	82
TOT	1	3	40	87	193	320
PCT	.3	.9	12.5	27.2	60.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.6	.0	.0	.0	.0	2	2.6
85/89	.0	.0	.0	.3	1.4	.9	.0	.0	9	2.6
80/84	.0	.0	.0	1.7	3.1	4.0	.0	.3	32	9.1
75/79	.0	.0	.0	2.8	10.3	28.8	13.1	4.3	208	59.3
70/74	.0	.0	.0	.3	3.1	11.1	10.0	3.7	99	28.2
65/69	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	0	20	63	157	81	30	351	100.0
PCT	.0	.0	.0	5.7	17.9	44.7	23.1	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.6	.0	.0	.0	.0	.0	.0
.0	.1	.4	1.9	.2	.0	.0	.0	.0	.0
.0	.6	2.5	5.6	.2	.0	.0	.0	.0	.3
.0	.6	11.0	43.8	1.7	.6	.2	.6	.0	.6
.0	.1	3.3	20.4	2.7	.9	.0	.0	.0	.9
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	1.4	17.2	72.5	4.8	1.5	.2	.6	.0	1.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	79	78	77	74	72	71	70	74.5	488
06009	81	80	78	75	72	71	69	74.9	258
12015	90	87	83	77	73	71	70	77.5	537
18021	93	85	80	76	73	71	71	75.9	308
TOT	93	85	81	76	72	71	69	75.8	1589

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.0	10.0	48.0	29.0	12.0	78	100		
06009	.0	1.4	16.2	35.1	35.1	12.2	79	74		
12015	.0	16.8	26.3	37.9	13.7	5.3	71	95		
18021	.0	3.6	19.0	58.0	16.7	4.8	74	84		
TOT	0	21	63	157	82	30	76	333		

MARCH

PERIOD: (PRIMARY) 1865-1976
(OVER-ALL) 1855-1976

TABLE 17

AREA 0022 ST. HELENA
15.35 5.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	WD FOG
17/19	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
14/16	.0	.0	.0	.3	.0	.0	.0	1	.0	.3
11/13	.0	.0	.0	.0	.8	.8	.0	6	.0	1.7
9/10	.0	.0	.0	.6	.6	.0	.0	4	.0	1.1
7/8	.0	.0	.0	.8	.8	.0	.0	6	.0	1.7
6	.0	.0	.6	.8	.0	.0	.0	5	.0	1.4
5	.0	.0	1.1	1.7	.0	.0	.0	10	.0	2.8
4	.0	.3	1.1	1.1	.0	.0	.0	9	.0	2.5
3	.0	1.1	2.8	1.1	.0	.0	.0	18	.0	5.0
2	.0	.3	5.6	.6	.0	.0	.0	23	.0	6.4
1	.0	3.4	7.0	.3	.0	.0	.0	38	.0	10.6
0	.3	10.9	7.5	.6	.0	.0	.0	69	.0	19.3
-1	.3	11.5	3.1	.0	.0	.0	.0	53	.0	14.8
-2	.6	13.4	1.1	.0	.0	.0	.0	54	.0	15.1
-3	1.4	6.4	.3	.0	.0	.0	.0	29	.0	8.1
-4	1.1	3.6	.3	.0	.0	.0	.0	18	.0	5.0
-5	.8	1.1	.6	.0	.0	.0	.0	9	.0	2.5
-6	.8	.0	.0	.0	.0	.0	.0	3	.0	.8
-7/-8	.3	.3	.0	.0	.0	.0	.0	2	.0	.6
TOTAL	20	187	111	24	8	3	1	356	0	358
PCT	5.6	52.2	31.0	7.8	2.2	.8	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2
1-2	.6	3.1	3.7	.0	.0	.0	7.4	.6	9.6	5.1	.0	.0	.0	15.3
3-4	.0	3.8	4.0	.0	.0	.0	7.8	.6	4.4	17.8	.6	.0	.0	23.4
5-6	.0	.0	4.1	.0	.0	.0	4.1	.0	1.2	20.7	1.2	.0	.0	23.1
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	6.0	1.8	.0	.0	7.8
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.5	.0	.0	.0	3.5
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	.0	.0	.0	1.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.4	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.1
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	7.4	12.8	.0	.0	.0	20.7	1.2	16.5	55.0	3.5	.0	.0	76.2

PERIOD: (OVER-ALL) 1963-1976

MARCH

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	.9	.0	.0	.0	1.8	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.2	1.2	.0	.0	.0	.0	2.4	
1-2	1.2	13.5	8.8	.0	.0	.0	23.5	
3-4	.6	8.2	22.4	.6	.0	.0	31.8	
5-6	.0	1.2	25.3	1.2	.0	.0	27.6	
7	.0	.0	7.1	1.8	.0	.0	8.8	
8-9	.0	.0	3.5	.0	.0	.0	3.5	
10-11	.0	.0	1.8	.0	.0	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.6	.0	.0	.0	.0	.6	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.9	24.7	68.8	3.5	.0	.0	100.0	170

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	12.4	17.7	8.8	1.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	119	3
6-7	.0	1.1	8.1	13.4	5.3	3.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	90	5
8-9	.0	.4	2.5	6.0	1.8	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	.4	.0	1.1	.7	.7	.7	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	11	9
12-13	.0	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
>13	.0	.0	.0	.4	.4	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
INDET	1.1	.7	.7	2.8	2.1	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	23	5
TOTAL	7	42	83	92	35	15	7	0	0	1	0	0	1	0	0	0	0	0	0	283	5
PCT	2.5	14.8	29.3	32.5	12.4	5.3	2.5	.0	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.43 5.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FKZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	10.0	.0	.0	.0	.0	.0	.0	10.0	.0	.0	.0	.0	.0	.0	90.0
E	.9	4.1	2.0	.0	.0	.0	.0	7.0	.9	.0	.0	.0	.0	.0	92.2
SE	.4	2.2	.5	.0	.0	.0	.0	3.2	.1	.0	.0	.0	.0	.0	96.7
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.6	2.6	.9	.0	.0	.0	.0	4.1	.3	.0	.0	.0	.0	.0	95.7
TOT OBS:	345														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	1.0	1.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	98.0
06009	.0	2.3	3.4	.0	.0	.0	.0	5.7	1.1	.0	.0	.0	.0	.0	93.2
12015	.0	3.7	.0	.0	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	96.3
18021	1.3	3.8	.0	.0	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	94.9
TOT PCT TOT OBS:	.6 346	2.6	.9	.0	.0	.0	.0	4.0	.3	.0	.0	.0	.0	.0	95.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0		.1	7.0		.0	.0	.0	.4	.2	.0	.0	.0
NE	.0	.4	.2	.1	.0	.0		.7	10.8		.5	1.0	.0	1.2	.8	1.0	1.7	.0
E	.1	6.9	11.8	1.6	.0	.0		20.5	13.5		20.4	20.3	25.0	16.5	20.8	20.0	27.3	18.1
SE	.7	24.7	41.9	4.9	.0	.0		72.2	13.2		73.8	71.3	69.6	73.2	71.7	72.4	67.3	74.7
S	.1	2.7	2.9	.3	.0	.0		5.9	11.8		5.0	7.0	3.0	8.7	6.1	6.2	2.3	6.6
SW	.0	.1	.3	.0	.0	.0		.3	12.5		.2	.5	1.2	.0	.2	.5	.0	.6
W	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.1	.0	.0	.0		.1	12.0		.0	.0	1.2	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2							.2	.0		.0	.0	.0	.0	.3	.0	1.3	.0
TOT OBS	14	455	747	91	0	0	1307		13.1		233	201	84	127	316	105	75	166
TOT PCT	1.1	34.8	57.2	7.0	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.*	.*	.0	.0	.0	.0	.1	7.0	.0	.2	.1	.0
NE	.3	.2	.2	.0	.0	.0	.7	10.8	.7	.7	.8	.5
E	1.7	12.8	5.9	.1	.0	.0	20.5	13.5	20.3	19.9	20.6	21.0
SE	5.3	47.4	18.9	.5	.0	.0	72.2	13.2	72.6	71.8	71.9	72.4
S	.5	4.7	.7	.1	.0	.0	5.9	11.8	5.9	6.4	6.1	5.3
SW	.1	.2	.1	.0	.0	.0	.3	12.5	.3	.5	.2	.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.0	.1	12.0	.0	.5	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2					.0	.2	.0	.0	.0	.2	.4
TOT OBS	106	855	337	9	0	1307		13.1	434	211	421	241
TOT PCT	8.1	65.4	25.8	.7	.0		100.0		100.0	100.0	100.0	100.0

AREA 0022 ST. HELENA
15.45 5.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00600	.0	.7	33.4	57.4	8.5	.0	.0	13.4	100.0	434
06609	.0	1.4	35.1	56.4	7.1	.0	.0	12.8	100.0	211
12615	.2	1.0	34.9	58.7	5.2	.0	.0	12.9	100.0	421
18621	.4	.8	34.9	54.8	7.1	.0	.0	13.3	100.0	241
TOT	2	12	455	747	91	0	0	13.1		1307
PCT	.2	.9	34.2	57.2	7.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

BY WIND DIRECTION					MEAN
WIND DIR	0-2	3-4	5-7	8 & OVER	CLOUD COVER
				TOTAL OBS	
N	.0	.0	.0	.0	.0
NE	.0	.7	.1	.0	3.7
E	3.6	7.9	9.2	4.6	12.9
SE	14.3	20.2	23.3	12.9	4.7
S	1.0	.7	.2	.3	3.7
SW	.0	.0	.3	.0	6.0
W	.0	.0	.0	.0	.0
NW	.3	.0	.0	.0	2.0
VAP	.0	.0	.0	.0	.0
CALV	.3	.0	.0	.0	1.0
TOT OBS	59	89	100	54	4.7
TOT PCT	19.5	29.5	33.1	17.9	302
				100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999	8000+	ANY MGT	DBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7	
.2	.0	.3	3.1	5.6	1.7	.3	.2	.0	.0	13.7	
.4	.0	.0	7.0	16.6	4.9	1.7	.1	.3	.3	41.4	
.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	1.9	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
.2	.0	.1	31	61	20	7	1	1	1	177	302
.7	.0	.3	10.3	20.2	6.6	2.3	.3	.3	.3	58.6	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH 24/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	• OR ≥10	• OR ≥5	• OR ≥2	• OR ≥1	• OR ≥1/2	• OR ≥1/4	• OR ≥50YD	• OR ≥0
• OR ≥5500	.7	.7	.7	.7	.7	.7	.7	.7
• OR ≥5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
• OR ≥1500	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
• OR ≥2000	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
• OR ≥1000	27.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0
• OR ≥600	36.6	39.9	40.3	40.3	40.3	40.3	40.3	40.3
• OR ≥300	37.0	40.3	40.6	40.6	40.6	40.6	40.6	40.6
• OR ≥150	37.0	40.3	40.6	40.6	40.6	40.6	40.6	40.6
• OR ≥0	37.6	40.9	41.3	41.3	41.3	41.3	41.3	41.3
TOTAL	114	124	125	125	125	125	125	125

TOTAL NUMBER OF OBS: 303

PCT FREQ NH <5/81 58.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (FIGHTS)

0	1	2	3	4	5	6	7	8	DBSCQ	TOTAL CBS
2.5	11.1	16.8	16.5	13.0	8.5	8.2	10.1	13.3	.0	316

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

APRIL

AREA 0022 ST. HELENA
15.45 5.34

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
5<10	PCP	.0	.0	.7	.7	.0	.0	.0	.0	.0	.0	1.4	1.4
	NO PCP	.0	.0	1.8	3.8	.1	.0	.0	.0	.0	.0	5.6	5.6
	TOT %	.0	.0	2.5	4.6	.1	.0	.0	.0	.0	.0	7.2	7.2
10+	PCP	.0	.1	1.0	1.5	.0	.0	.0	.0	.0	.0	2.6	2.6
	NO PCP	.0	.7	21.4	64.6	2.2	.3	.0	.3	.0	.3	89.9	89.9
	TOT %	.0	.7	22.5	66.2	2.2	.3	.0	.3	.0	.3	92.5	92.5
TOT OBS													345
TOT PCT		.0	.7	25.0	71.0	2.4	.3	.0	.3	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.5	1.4	.0	.0	.0	.0	.0	.0	1.9	1.9
	11-21	.0	.0	1.9	2.6	.1	.0	.0	.0	.0	.0	4.6	4.6
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	2.4	4.3	.1	.0	.0	.0	.0	.0	6.8	6.8
10+	0-3	.0	.0	.0	1.7	.2	.0	.0	.0	.0	.3	2.2	2.2
	4-10	.0	.5	7.8	25.5	1.4	.3	.0	.0	.0	.0	35.5	35.5
	11-21	.0	.1	13.7	36.4	.7	.0	.0	.3	.0	.0	51.2	51.2
	22+	.0	.0	.4	3.7	.0	.0	.0	.0	.0	.0	4.1	4.1
	TOT %	.0	.7	21.9	67.2	2.4	.3	.0	.3	.0	.3	93.0	93.0
TOT OBS													369
TOT PCT		.0	.7	24.3	71.7	2.5	.3	.0	.3	.0	.3	100.0	

APRIL

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.45 5.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.2	12.9	18.8	5.9	1.2	.0	1.2	.0	41.2	58.8	85
06009	1.2	.0	.0	11.0	20.7	9.8	2.4	1.2	.0	.0	46.3	53.7	82
12015	.0	.0	.0	4.2	20.8	4.2	2.8	.0	.0	1.4	33.3	66.7	72
18021	1.3	.0	.0	10.7	17.3	5.3	2.7	.0	.0	.0	37.3	62.7	75
TOT	2	0	1	31	61	20	7	1	1	1	125	189	314
PCT	.6	.0	.3	9.9	19.4	6.4	2.2	.3	.3	.3	39.8	60.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	.0	6.6	93.4	106
06009	.0	.0	.0	1.1	6.5	92.5	93
12015	.0	.0	.0	.0	8.0	92.0	88
18021	.0	.0	.0	.0	6.0	94.0	83
TOT	0	0	0	1	25	344	370
PCT	.0	.0	.0	.3	6.8	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	1.2	14.5	27.7	57.8	83
06009	1.2	1.3	13.9	34.2	51.9	79
12015	.0	.0	4.3	30.0	65.7	70
18021	1.4	1.4	12.7	26.8	60.6	71
TOT	2	3	35	90	178	303
PCT	.7	1.0	11.6	29.7	58.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
85/89	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
80/84	.0	.0	.0	.3	2.3	2.0	.7	.3	17	5.7
75/79	.0	.0	.0	1.7	12.1	24.5	7.4	1.7	141	47.3
70/74	.0	.0	.0	.3	9.7	20.5	12.1	3.4	137	46.0
65/69	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	8	72	141	61	16	298	100.0
PCT	.0	.0	.0	2.7	24.2	47.3	20.5	5.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.0	1.8	3.3	.3	.0	.0	.0	.0	.3
.0	.2	11.7	34.1	1.3	.0	.0	.0	.0	.0
.0	.0	11.9	32.9	.8	.0	.0	.3	.0	.0
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.2	26.1	70.6	2.5	.0	.0	.3	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	79	78	76	73	71	69	68	73.5	422
06009	81	80	77	74	71	70	69	74.2	209
12015	88	83	81	76	73	71	69	76.3	414
18021	90	80	78	74	72	69	67	74.6	235
TOT	90	81	79	74	71	69	67	74.7	1280

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.2	15.3	51.8	23.5	8.2	77	85		
06009	.0	3.8	17.9	48.7	25.6	3.8	76	78		
12015	.0	2.9	39.7	39.7	14.7	2.9	72	68		
18021	.0	2.9	26.5	47.1	16.2	7.4	74	68		
TOT	0	8	72	141	61	17	75	299		

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1859-1976

APRIL

AREA 0022 ST. HELENA
15.45 5.34

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.0	.3	.3	1	.0	.3
11/13	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.0	.7	.0	.0	2	.0	.7
6	.0	.7	1.0	.7	.0	.0	7	.0	2.3
5	.0	.0	1.6	1.3	.0	.0	9	.0	2.9
4	.0	.0	1.3	.0	.0	.0	4	.0	1.3
3	.0	.7	2.6	.0	.0	.0	10	.0	3.3
2	.0	2.3	3.3	.0	.0	.0	17	.0	5.5
1	.3	3.9	4.2	.0	.0	.0	26	.0	8.5
0	.0	13.4	2.6	.0	.0	.0	49	.0	16.0
-1	.7	12.1	1.6	.0	.0	.0	44	.0	14.3
-2	1.0	10.4	1.3	.0	.0	.0	39	.0	12.7
-3	2.6	8.8	.0	.0	.0	.0	35	.0	11.4
-4	2.0	7.5	.3	.0	.0	.0	30	.0	9.8
-5	1.0	4.2	.3	.0	.0	.0	17	.0	5.5
-6	1.6	1.3	.0	.0	.0	.0	9	.0	2.9
-7/-8	.3	1.6	.0	.0	.0	.0	6	.0	2.0
-9/-10	.0	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	29	62	8	1	1	307			
PCT	9.4	67.1	20.2	2.6	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.7	.7	.0	.0	.0	2.4	1.4	1.0	.0	.0	.0	.0	2.4
1-2	.0	3.3	3.8	.0	.0	.0	7.2	.0	17.3	5.2	.0	.0	.0	22.6
3-4	.0	2.6	4.5	.0	.0	.0	7.2	.0	7.2	12.2	.7	.0	.0	20.1
5-6	.0	.0	4.5	.5	.0	.0	5.1	.0	2.1	13.8	3.0	.0	.0	18.9
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	4.5	2.1	.0	.0	6.6
8-9	.0	.5	.5	.0	.0	.0	1.0	.0	.2	.2	1.4	.0	.0	1.7
10-11	.0	.0	.5	.0	.0	.0	.5	.0	.0	.2	.0	.0	.0	.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.2	15.7	.5	.0	.0	24.5	1.4	27.8	36.2	7.2	.0	.0	72.6

PERIOD: (OVER-ALL) 1963-1976

APRIL

AREA 0022 ST. HELENA
15.4S 5.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	1.0	.0	.0	.0	.0		1.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.5	.0	.0	.0		.5	.0	.0	.0	.0	.0	.0		.0
7	.0	.7	.0	.0	.0	.0		.7	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	1.7	.5	.0	.0	.0		2.3	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.1	2.8	.7	.0	.0	.0	5.6	
1-2	.0	21.7	9.1	.0	.0	.0	30.8	
3-4	.0	9.8	16.8	.7	.0	.0	27.3	
5-6	.0	2.1	18.9	3.5	.0	.0	24.5	
7	.0	.7	5.6	2.1	.0	.0	8.4	
8-9	.0	.7	.7	1.4	.0	.0	2.8	
10-11	.0	.0	.7	.0	.0	.0	.7	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.1	37.8	52.4	7.7	.0	.0	100.0	143

PERIOD: (OVER-ALL) 1951-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	5.7	20.1	8.7	4.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	4
6-7	.0	.0	6.4	20.5	4.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	5
8-9	.0	.0	.4	3.4	6.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	7
10-11	.0	.8	.0	1.1	1.1	2.3	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
12-13	.0	.0	.0	1.5	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
>13	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.8	.8	.0	1.1	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
TOTAL	7	19	71	97	44	21	2	2	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	.0	284	5
PCT	2.7	7.2	26.9	36.7	16.7	8.0	.8	.8	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976APEA 0022 ST. HELENA
19.35 5.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.9	2.8	.6	.0	.0	.0	.0	4.3	1.7	.0	.0	.0	.0	.0	94.0
SE	.0	2.2	.1	.0	.0	.0	.0	2.3	1.8	.0	.0	.0	.0	.0	93.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.3	2.2	.3	.0	.0	.0	.0	2.8	1.7	.0	.0	.0	.0	.0	93.5
TOT OBS:	358														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	1.9	.0	.0	.0	.0	.0	1.9	1.0	.0	.0	.0	.0	.0	97.1
06009	.0	3.5	1.2	.0	.0	.0	.0	4.7	4.7	.0	.0	.0	.0	.0	90.6
12015	1.3	.0	.0	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	97.3
18021	.0	3.2	.0	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	96.8
TOT PCT	.3	2.2	.3	.0	.0	.0	.0	2.8	1.7	.0	.0	.0	.0	.0	93.5
TOT OBS:	359														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.1	*	.0	.0	.0	.0		.1	3.7		.0	.0	.0	.0	.1	.7	.0	.3
NE	.3	1.7	.3	.1	.0	.0		2.4	8.1		1.9	2.4	.3	3.9	2.9	2.8	.0	2.3
E	.8	9.9	12.9	1.9	.0	.0		25.4	12.7		26.3	17.8	26.8	25.3	28.8	26.0	29.9	20.1
SE	1.4	23.0	34.4	4.8	.1	.0		63.7	13.0		64.2	70.2	63.4	59.6	59.9	62.2	64.8	70.1
S	.5	2.9	2.3	.2	.0	.0		5.9	10.4		5.4	6.3	4.0	8.4	5.4	7.3	2.9	6.2
SW	.3	.4	.2	.0	.0	.0		.9	6.6		1.0	1.8	1.8	1.2	.6	.7	.0	.5
W	.2	.1	.0	.0	.0	.0		.3	2.8		.4	.0	.0	.3	.5	.3	.0	.0
NW	.1	.1	.0	.0	.0	.0		.2	3.2		.0	.0	.0	.6	.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.2							1.2	.0		.8	1.6	3.7	.6	1.5	.0	2.3	.5
TOT OBS	79	611	804	112	1	0	1607		12.4		263	191	82	166	480	144	86	195
TOT PCT	4.9	38.0	50.0	7.0	.1	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21
N	.1	*	.0	.0	.0		.1	3.7	.0	.0	.2	1.2
NE	1.0	1.2	.2	.0	.0		2.4	8.1	2.1	2.7	2.8	1.6
E	3.7	14.8	6.7	.2	.0		25.4	12.7	22.7	25.8	28.2	23.1
SE	7.9	37.5	17.7	.6	.0		63.7	13.0	66.7	60.9	60.4	68.5
S	1.8	2.9	1.2	.0	.0		5.9	10.4	5.8	7.0	5.8	3.2
SW	.5	.4	.0	.0	.0		.9	6.6	1.4	1.4	.6	.4
W	.3	.0	.0	.0	.0		.3	2.8	.2	.2	.5	.0
NW	.2	.0	.0	.0	.0		.2	3.2	.0	.4	.2	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.2						1.2	.0	1.1	1.6	1.1	1.1
TOT OBS	266	914	414	13	0	1607		12.4	434	248	624	281
TOT PCT	16.6	56.9	25.8	.8	.0		100.0		100.0	100.0	100.0	100.0

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.35 9.2M

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	1.1	3.5	36.8	51.3	7.3	.0	.0	12.4	100.0	454
06009	1.6	2.4	40.3	49.2	6.0	.4	.0	12.2	100.0	248
12015	1.1	4.0	37.0	50.5	7.4	.0	.0	12.5	100.0	624
18021	1.1	4.6	40.2	47.7	6.4	.0	.0	12.2	100.0	281
TOT	19	60	611	804	112	1	0	12.4		1607
PCT	1.2	3.7	38.0	50.0	7.0	.1	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.4	.3	.0	.1		2.9
E	5.8	7.6	12.5	5.6		4.9
SE	14.7	12.4	23.5	11.5		4.8
S	.9	.0	1.7	.5		5.0
SW	.1	.0	.3	.0		4.8
W	.3	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	1.3	.6	.0	.0		2.1
TOT OBS	74	65	118	55	311	4.8
TOT PCT	23.5	20.9	37.9	17.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.7
E	.3	.0	.3	2.8	7.9	2.5	.5	.0	.0	.0	.0	17.1
SE	.0	.0	1.3	6.4	11.0	5.6	3.5	.3	.0	.6	.6	33.3
S	.0	.0	.0	1.7	.0	.2	.2	.0	.0	.0	.0	.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.9
TOT OBS	1	0	5	34	59	26	13	1	0	2	170	311
TOT PCT	.3	.0	1.6	10.9	19.0	8.4	4.2	.3	.0	.6	54.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

VSBY (NM)									
CEILING (FEET)	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0	
= OR >4500	.6	.6	.6	.6	.6	.6	.6	.6	.6
= OR >5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
= OR >3500	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
= OR >2000	12.9	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
= OR >1000	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
= OR >600	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
= OR >300	43.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
= OR >150	43.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
= OR >0	43.2	44.8	44.8	45.2	45.2	45.2	45.2	45.2	45.2
TOTAL	134	139	139	140	140	140	140	140	140

TOTAL NUMBER OF OBS: 310

PCT FREQ NH <5/8: 54.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.4	13.2	13.8	13.5	11.0	7.7	9.5	13.5	14.1	.3	326

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.1	.3	1.7	2.3	.0	.0	.0	.0	.0	.0	4.5	
	TOT %	.1	.3	1.9	2.7	.0	.0	.0	.0	.0	.0	5.0	
10+	PCP	.0	.0	.7	.7	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	.7	29.3	57.8	2.7	.3	.3	.0	.0	1.7	92.7	
	TOT %	.0	.7	30.0	58.5	2.7	.3	.3	.0	.0	1.7	94.1	
TOT OBS													358
TOT PCT		.1	1.0	32.4	61.5	2.7	.3	.3	.0	.0	1.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.1	.3	.1	.5	.0	.0	.0	.0	.0	.0	1.0	
	4-10	.0	.0	.6	.4	.0	.0	.0	.0	.0	.0	1.0	
	11-21	.0	.0	.6	.9	.0	.0	.0	.0	.0	.0	1.5	
	22+	.0	.0	.4	.6	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	.1	.3	1.7	2.4	.0	.0	.0	.0	.0	.0	4.5	
10+	0-3	.0	.0	.8	2.3	.4	.1	.3	.0	.0	1.5	5.3	
	4-10	.0	.6	11.3	21.0	1.9	.6	.0	.0	.0	.0	35.3	
	11-21	.0	.0	16.4	32.1	.6	.0	.0	.0	.0	.0	49.1	
	22+	.0	.0	1.6	3.2	.3	.0	.0	.0	.0	.0	5.0	
	TOT %	.0	.6	30.0	58.5	3.1	.7	.3	.0	.0	1.5	94.7	
TOT OBS													399
TOT PCT		.1	.9	32.2	61.2	3.1	.7	.3	.0	.0	1.5	100.0	

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976AREA 0022 ST. HELENA
15.35 5.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL DBS
00003	.0	.0	1.0	13.5	19.8	10.4	.0	.0	.0	.0	44.8	55.2	96
06009	.0	.0	1.4	11.0	27.4	6.8	5.5	.0	.0	2.7	54.8	45.2	73
12015	.0	.0	.0	13.8	16.9	6.2	9.2	.0	.0	.0	46.2	53.8	65
18021	1.2	.0	3.5	4.7	10.5	8.1	3.5	1.2	.0	.0	32.6	67.4	86
TOT	1	0	5	34	59	26	13	1	0	2	141	179	320
PCT	.3	.0	1.6	10.6	18.4	8.1	4.1	.3	.0	.6	44.1	55.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL DBS
00003	.0	.0	.0	.0	3.4	96.6	118
06009	.0	.0	.0	1.1	4.3	94.6	93
12015	.0	1.1	.0	.0	4.4	94.4	90
18021	.0	.0	1.0	.0	7.0	92.0	100
TOT	0	1	1	1	19	379	401
PCT	.0	.2	.2	.2	4.7	94.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL DBS
00003	.0	1.1	15.2	30.4	54.3	92
06009	.0	1.4	12.9	44.3	42.9	70
12015	.0	.0	14.1	32.8	53.1	64
18021	1.2	4.8	9.5	23.8	66.7	84
TOT	1	6	40	100	170	310
PCT	.3	1.9	12.9	32.3	54.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL DBS	PCT FREQ
85/89	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
80/84	.0	.0	.0	.0	.8	.0	.0	.0	2	.6
75/79	.0	.0	.0	2.2	6.0	8.9	1.9	1.0	63	20.0
70/74	.0	.0	.0	1.6	21.9	27.0	17.8	5.1	231	73.3
65/69	.0	.0	.0	.0	.0	1.3	2.2	2.2	18	5.7
TOTAL	0	0	0	13	90	117	69	26	315	100.0
PCT	.0	.0	.0	4.1	28.6	37.1	21.9	8.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
80/84	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
75/79	.2	.7	7.3	11.3	.2	.0	.0	.0	.0	.3
70/74	.0	.4	22.9	45.8	2.2	.4	.3	.0	.0	1.3
65/69	.0	.0	2.5	3.0	.2	.0	.0	.0	.0	.0
TOTAL	.2	1.1	32.9	60.8	2.7	.4	.3	.0	.0	1.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL DBS
00003	80	77	75	72	69	67	66	71.8	437
06009	80	79	76	72	68	67	65	72.0	245
12015	88	82	79	74	70	69	66	74.2	610
18021	80	78	76	73	70	69	68	72.7	270
TOT	88	80	78	73	69	68	65	72.9	1562

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL DBS
00003	.0	3.2	16.0	40.4	33.0	7.4	77	94
06009	.0	2.6	34.2	26.3	26.3	10.5	75	76
12015	.0	7.8	40.6	31.3	14.1	6.3	71	64
18021	.0	3.6	28.9	48.2	10.8	8.4	74	83
TOT	0	13	91	118	69	26	74	317

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0022 ST. HELENA
15.35 5.24

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.3	.3	.0	.0	.0	2	.0	.6
6	.0	.0	.0	.3	.0	.0	1	.0	.3
5	.0	.0	.3	.6	.0	.0	3	.0	.9
4	.0	.0	.6	2.5	.3	.0	11	.0	3.4
3	.0	.3	2.8	.9	.0	.0	13	.0	4.0
2	.0	.6	2.8	.6	.0	.0	13	.0	4.0
1	.0	1.5	4.0	.9	.0	.0	21	.0	6.5
0	.0	3.4	11.4	1.2	.0	.0	52	.0	16.0
-1	.0	4.0	11.4	.0	.0	.0	50	.0	15.4
-2	.6	5.9	6.8	.0	.0	.0	43	.0	13.3
-3	.0	7.4	4.3	.3	.0	.0	39	.0	12.0
-4	.3	6.8	1.9	.0	.0	.0	29	.0	9.0
-5	.6	4.6	1.5	.0	.0	.0	22	.0	6.8
-6	.3	2.2	1.2	.0	.0	.0	12	.0	3.7
-7/-8	.3	.9	.0	.0	.0	.0	4	.0	1.2
-9/-10	.3	1.9	.0	.0	.0	.0	7	.0	2.2
-11/-13	.0	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	8	129	161	24	1	1	324	0	324
PCT	2.5	39.8	49.7	7.4	.3	.3	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.8
3-4	.0	.0	.0	.0	.0	.0	.0	.0	2	.0	.0	.0	.0	2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	1.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	1.3	1.9	.0	.0	.0	.0	3.2
1-2	.0	5.7	1.9	.0	.0	.0	7.6	1.3	5.8	2.6	.0	.0	.0	9.7
3-4	.0	7.6	8.4	1.8	.0	.0	17.9	.0	8.0	9.7	.2	.0	.0	17.9
5-6	.0	.5	5.7	.0	.0	.0	6.2	.0	2.8	12.2	1.3	.6	.0	16.9
7	.0	.0	.5	.0	.0	.0	.5	.0	.0	8.6	1.3	.0	.0	9.9
8-9	.0	.0	1.3	1.0	.0	.0	2.3	.0	.0	.6	1.0	.0	.0	1.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.8	17.9	2.8	.0	.0	34.4	2.6	18.5	33.8	3.7	.6	.0	59.3

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT.)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.6	.6	.0	.0	.0	.0		1.3	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.5	.0	.0	.0	.0		.5	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	1.6	.0	.0	.0		1.6	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.6	.0	.0		.6	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.6	1.1	1.6	.6	.0	.0		4.1	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	98.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.6	1.9	.0	.0	.0	.0	4.5	
1-2	1.9	13.0	4.5	.0	.0	.0	19.5	
3-4	.0	16.2	18.2	1.9	.6	.0	36.4	
5-6	.0	3.2	19.5	1.3	.0	.0	24.7	
7	.0	.0	9.1	1.9	.0	.0	11.0	
8-9	.0	.0	1.9	1.9	.0	.0	3.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.5	34.4	53.2	7.1	.6	.0	100.0	134

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.7	10.0	13.5	4.6	2.5	3.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	4
6-7	.0	1.1	8.5	13.2	6.4	3.9	1.1	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	5
8-9	.0	.7	2.1	5.3	5.0	2.8	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	6
10-11	.0	.7	.7	1.4	1.1	.7	1.1	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	6
12-13	.0	.0	.4	1.1	.7	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	.4	.0	1.4	.7	.7	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	5
TOTAL	3	35	75	74	46	31	10	2	5	0	0	0	0	0	0	0	0	0	0	281	5
PCT	1.1	12.5	26.7	26.3	16.4	11.0	3.6	.7	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

JUNE

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.0	2.8	.8	.0	.0	.0	.0	4.6	.8	.0	.0	.0	.0	.0	94.6
SE	.0	1.9	1.1	.0	.0	.0	.0	3.1	4.2	.6	.0	.0	.0	.0	92.7
S	.0	.0	3.4	.0	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	96.6
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.3	2.0	1.1	.0	.0	.0	.0	3.4	2.8	.0	.0	.0	.0	.0	93.8
TOT OBS:	357														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	1.1	.0	2.2	.0	.0	.0	.0	3.2	1.1	.0	.0	.0	.0	.0	95.7
0600	.0	2.4	.0	.0	.0	.0	.0	2.4	7.1	.0	.0	.0	.0	.0	90.6
1200	.0	4.0	1.0	.0	.0	.0	.0	5.1	1.0	.0	.0	.0	.0	.0	93.9
1800	.0	1.2	1.2	.0	.0	.0	.0	2.3	2.3	.0	.0	.0	.0	.0	95.3
TOT PCT	.3	1.9	1.1	.0	.0	.0	.0	3.3	2.8	.0	.0	.0	.0	.0	93.9
TOT OBS:	363														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47							00	03	06	09	12	15	18	21
N	.1	.2	.0	.0	.0	.0	.0	.0	.3	5.2	.7	.3	.0	.0	.4	.0	.0	.0	.0
NE	.3	2.2	1.0	.2	.0	.0	.0	.0	3.7	9.2	2.5	3.0	.0	6.4	3.7	5.4	2.8	5.7	.0
E	.8	7.5	13.5	2.8	.2	.0	.0	.0	24.7	13.9	20.8	23.2	26.3	25.8	27.6	22.0	29.1	22.0	.0
SE	1.7	18.7	34.8	6.1	.2	.0	.0	.0	61.6	13.6	63.2	62.8	67.6	60.2	59.9	66.0	57.9	59.9	.0
S	.9	2.7	1.9	.1	.1	.0	.0	.0	5.8	9.1	7.8	6.5	1.0	4.2	5.6	3.0	8.9	6.0	.0
SW	.5	.7	.2	.0	.0	.0	.0	.0	1.4	6.5	2.1	.6	2.6	.8	1.3	1.8	.3	1.7	.0
W	.2	.3	.0	.0	.0	.0	.0	.0	.5	4.5	.5	.6	.0	.8	.4	.6	.9	.7	.0
NW	.2	.0	.1	.0	.0	.0	.0	.0	.2	7.0	.5	.6	.0	.0	.0	.0	.0	.7	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7								1.7	.0	2.0	2.4	2.6	1.7	1.0	1.2	.0	3.4	.0
TOT OBS	81	408	648	116	6	0	1259			12.8	203	168	78	118	381	83	79	149	
TOT PCT	6.4	32.4	51.5	9.2	.5	.0			100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40								00	06	12	18
N	.2	.1	.0	.0	.0	.0	.0	.0	.3	5.2	.5	.0	.3	.0	.0
NE	1.6	1.7	.4	.0	.0	.0	.0	.0	3.7	9.2	2.7	3.8	4.0	4.7	.0
E	3.4	12.7	7.7	.9	.0	.0	.0	.0	24.7	13.9	21.9	26.0	26.6	24.5	.0
SE	8.7	31.8	20.4	.7	.0	.0	.0	.0	61.6	13.6	63.0	63.1	61.0	59.2	.0
S	2.5	2.8	.4	.1	.0	.0	.0	.0	5.8	9.1	7.2	2.9	5.2	7.0	.0
SW	.8	.5	.1	.0	.0	.0	.0	.0	1.4	6.5	1.4	1.5	1.4	1.2	.0
W	.5	.1	.0	.0	.0	.0	.0	.0	.5	4.5	.5	.5	.4	.8	.0
NW	.2	.0	.1	.0	.0	.0	.0	.0	.2	7.0	.5	.0	.0	.4	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.7								1.7	.0	2.2	2.0	1.1	2.2	.0
TOT OBS	246	626	365	21	1	1259				12.8	371	196	464	228	
TOT PCT	19.5	49.7	29.0	1.7	.1				100.0		100.0	100.0	100.0	100.0	

JUNE

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975AREA 0022 ST. HELENA
15.35 5.24

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	2.2	5.4	31.0	52.3	8.9	.3	.0	.0	12.5	100.0	371
06009	2.0	4.1	37.1	52.0	9.7	.0	.0	.0	12.7	100.0	196
12015	1.1	3.7	34.5	49.8	9.9	1.1	.0	.0	13.2	100.0	464
18021	2.2	6.1	30.7	53.1	7.9	.0	.0	.0	12.6	100.0	228
TOT	22	59	408	648	116	6	.0	.0	12.8		1259
PCT	1.7	4.7	32.4	51.5	9.2	.5	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 9	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.1	.2	.6	.0		4.4
E	2.7	7.5	10.7	5.3		5.2
SE	7.2	15.9	24.0	16.2		5.4
S	2.1	.9	2.6	.5		4.4
SW	.3	.0	1.0	.3		5.4
W	.0	.0	.2	.0		6.0
NW	.3	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.3	.9	.0	.0		2.7
TOT OBS	42	82	126	72	322	5.2
TOT PCT	13.0	25.5	39.1	22.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.7
E	.0	.0	.0	3.3	4.1	4.0	.6	.0	.0	.5	.5	13.6
SE	.0	.0	.6	7.8	14.0	7.9	2.5	.0	.4	.2	.30.0	
S	.0	.0	.0	.0	1.2	1.4	.0	.0	.5	.0	.3.0	
SW	.0	.0	.0	.0	.3	.4	.6	.0	.0	.0	.3	
W	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
TOT OBS	0	0	2	36	64	45	12	0	3	2	198	322
TOT PCT	.0	.0	.6	11.2	19.9	14.0	3.7	.0	.9	.6	49.1	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
>3500	4.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
>2000	17.8	19.3	19.3	19.3	19.3	19.3	19.3	19.3
>1000	36.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0
>600	46.3	49.7	49.7	49.7	49.7	49.7	49.7	50.0
>300	46.9	50.3	50.3	50.3	50.3	50.3	50.3	50.6
>150	46.9	50.3	50.3	50.3	50.3	50.3	50.3	50.6
>0	46.9	50.3	50.3	50.3	50.3	50.3	50.3	50.6
TOTAL	153	164	164	164	164	164	164	165

TOTAL NUMBER OF OBS: 326

PCT FREQ NH <5/8: 49.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.2	5.9	12.1	17.4	10.3	8.0	9.4	14.7	18.9	.0	319

JUNE

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

TABLE 8

AREA 0022 ST. HELENA
15.35 5.2WPERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.2	.4	.0	.0	.0	.0	.0	.0	.6	
5<10	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	1.1	2.3	.0	.6	.0	.0	.0	.0	3.9	
	TOT %	.0	.0	1.1	2.6	.0	.6	.0	.0	.0	.0	4.2	
10+	PCP	.0	.0	1.1	1.5	.2	.	.0	.0	.0	.0	2.8	
	NO PCP	.0	.9	24.9	57.0	6.0	1.3	1.1	.3	.0	1.1	92.4	
	TOT %	.0	.9	25.9	58.5	6.2	1.3	1.1	.3	.0	1.1	95.2	
TOT OBS													
TOT PCT													
		.0	.9	27.2	61.5	6.2	1.8	1.1	.3	.0	1.1	100.0	357

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	
	TOT %	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.5	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.3	.0	.3	.0	.0	.0	.0	.8	
	11-21	.0	.0	1.0	1.9	.0	.3	.0	.0	.0	.0	3.1	
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	1.2	2.4	.0	.5	.0	.0	.0	.0	4.2	
10+	0-3	.0	.3	1.0	1.8	2.2	.5	.7	.0	.0	2.1	8.4	
	4-10	.0	.3	9.8	18.4	2.2	1.0	.6	.0	.0	.0	32.3	
	11-21	.0	.3	12.5	33.8	1.7	.0	.0	.3	.0	.0	48.6	
	22+	.0	.0	1.6	3.9	.0	.0	.0	.0	.0	.0	5.5	
	TOT %	.0	.9	24.9	57.9	6.0	1.4	1.2	.3	.0	2.1	94.8	
TOT OBS													
TOT PCT													
		.0	.9	26.4	61.2	6.0	2.0	1.2	.3	.0	2.1	100.0	381

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PERIOD: (PRIMARY) 1967-1975
(OVER-ALL) 1855-1975AREA 0022 ST. HELENA
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.2	13.6	17.3	14.8	2.5	.0	1.2	.0	50.6	49.4	81
06009	.0	.0	1.3	15.8	23.7	17.1	3.9	.0	.0	.0	61.8	38.2	76
12015	.0	.0	.0	7.5	22.6	9.7	2.2	.0	1.1	1.1	44.1	55.9	93
18021	.0	.0	.0	7.4	13.6	14.8	6.2	.0	1.2	1.2	44.4	55.6	81
TOT	0	0	2	36	64	46	12	0	3	2	165	166	331
PCT	.0	.0	.6	10.9	19.3	13.9	3.6	.0	.9	.6	49.8	50.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	1.0	.0	.0	.0	4.9	94.2	103
06009	.0	.0	.0	.0	6.6	93.4	91
12015	1.0	.0	.0	1.9	2.9	94.3	105
18021	.0	.0	1.1	.0	2.3	96.6	88
TOT	2	0	1	2	16	366	387
PCT	.5	.0	.3	.5	4.1	94.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	1.2	2.3	16.0	35.8	48.1	81
06009	.0	1.3	17.3	45.3	37.3	75
12015	1.1	1.1	10.0	37.8	52.2	90
18021	.0	.0	7.5	37.5	55.0	80
TOT	2	4	41	127	158	326
PCT	.6	1.2	12.6	39.0	48.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.3	.3	.0	.0	2	.6
75/79	.0	.0	.6	.6	1.3	3.2	.6	.0	20	6.3
70/74	.0	.0	.3	4.7	26.2	26.8	7.9	1.9	215	67.8
65/69	.0	.0	.0	.0	3.5	10.1	8.5	2.8	79	24.9
60/64	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
TOTAL	0	0	3	17	99	129	54	15	317	100.0
PCT	.0	.0	.9	5.4	31.2	40.7	17.0	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.3	.0	.0	.0	.0	.0	.0
.0	.3	1.7	3.7	.0	.0	.0	.0	.0	.6
.0	.4	19.6	41.4	4.8	.8	.6	.0	.0	.3
.0	.3	6.2	15.9	1.5	.6	.0	.0	.0	.3
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	1.0	27.8	61.7	6.3	1.4	.6	.0	.0	1.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	81	74	73	70	67	64	63	70.0	349
06009	76	75	74	70	67	64	62	70.1	189
12015	82	80	77	72	68	66	62	72.5	446
18021	81	77	74	71	68	66	63	70.8	221
TOT	82	78	75	71	67	65	62	71.1	1205

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	2.5	14.8	52.5	23.8	2.5	74	80		
06009	.0	2.5	24.7	45.7	19.8	7.4	75	81		
12015	.0	12.0	34.9	34.9	12.0	6.0	71	83		
18021	.0	7.9	47.4	27.6	14.5	2.6	71	76		
TOT	0	20	100	129	56	15	73	320		

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

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AREA 0022 ST. HELENA
15.35 5.2

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	N FOG	W FOG
6	.0	.0	.3	.3	.0	.0	2	.0	.6
5	.0	.0	.0	.6	.3	.0	3	.0	.9
4	.0	.0	.0	1.2	.0	.3	5	.0	1.5
3	.0	.0	.6	1.2	.9	.0	9	.0	2.6
2	.0	.0	1.2	2.9	.3	.0	15	.0	4.4
1	.0	.3	1.2	2.9	.0	.0	15	.0	4.4
0	.0	.0	8.2	4.1	.0	.3	43	.0	12.6
-1	.0	.3	10.8	2.6	.0	.0	47	.0	13.7
-2	.0	.3	13.2	2.0	.0	.0	65	.0	19.0
-3	.0	1.5	11.1	.9	.0	.0	46	.0	13.5
-4	.0	4.4	10.2	.6	.0	.0	52	.0	15.2
-5	.0	1.2	2.3	.3	.0	.0	13	.0	3.8
-6	.0	2.3	2.0	.6	.0	.0	17	.0	5.0
-7/-8	.3	.9	.9	.3	.0	.0	8	.0	2.3
-9/-10	.3	.0	.3	.0	.0	.0	2	.0	.6
TOTAL	2		213		5		342	0	342
PCT	.6	14.6	62.3	20.5	1.5	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.6	.5	.0	.0	.0	1.3
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.3

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	1.1	.5	.0	.0	.0	2.2	.0	1.8	.2	.0	.0	.0	1.9
1-2	.5	4.6	2.2	.0	.0	.0	7.4	1.1	6.4	1.0	.0	.0	.0	8.5
3-4	.0	4.2	6.7	.5	.0	.0	11.4	.2	7.4	13.9	.2	.0	.0	21.6
5-6	.0	1.3	3.0	.5	.0	.0	4.8	.0	.0	16.2	.8	.0	.0	17.0
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.6	4.3	1.3	.0	.0	6.4
8-9	.0	.5	.0	.0	.0	.0	.5	.0	.8	1.9	1.9	.0	.0	4.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	11.7	13.8	1.0	.0	.0	27.6	1.3	17.0	37.7	5.4	.6	.0	62.0

PERIOD: (OVER-ALL) 1963-1975

JUNE

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.5	1.0	.0	.0	.0	.0	1.4	.2	.0	.0	.0	.0	.0	.2
1-2	1.0	2.4	.0	.0	.0	.0	3.4	.0	.8	.6	.0	.0	.0	1.4
3-4	.5	.0	.5	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	3.4	.5	.0	.0	.0	5.8	.2	.8	.6	.0	.0	.0	1.6

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.5	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.5	.0	.0	.0	.0	.5	.0	.0	.6	.0	.0	.0	.6	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.9	3.8	.6	.0	.0	.0	6.4	
1-2	2.5	15.3	3.8	.0	.0	.0	21.7	
3-4	.6	12.1	22.3	.6	.0	.0	35.7	
5-6	.0	1.3	19.1	1.3	.0	.0	21.7	
7	.0	.6	9.7	1.3	.0	.0	7.6	
8-9	.0	1.3	1.9	1.9	.0	.0	5.1	
10-11	.0	.0	.0	.6	.6	.0	1.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.6	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.1	34.4	53.5	6.4	.6	.0	100.0	157

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	5.2	12.8	8.3	1.4	1.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	4
6-7	.3	1.4	6.9	10.4	7.6	2.8	1.4	.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	6
8-9	.0	.0	2.4	4.2	5.2	4.2	2.4	.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	7
10-11	.0	.0	.7	.7	.3	1.7	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	8
12-13	.0	.0	1.0	.3	.3	1.0	.3	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	7
>13	.0	.0	.0	1.4	.3	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
INDET	1.7	1.7	.3	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	3
TOTAL	11	24	70	75	46	32	22	2	6	1	0	0	0	0	0	0	0	0	0	289	5
PCT	3.8	8.3	24.2	26.0	15.9	11.1	7.6	.7	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

JULY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE															OTHER WEATHER PHENOMENA				
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA				
N	57.1	.0	.0	.0	.0	.0	.0	57.1	.0	.0	.0	.0	.0	.0	42.9				
NE	.0	.0	4.2	.0	.0	.0	.0	4.2	.0	.0	.0	.0	.0	.0	95.8				
E	1.4	.0	3.1	.0	.0	.0	.0	4.5	1.9	.0	.0	.0	.0	.0	93.5				
SE	2.0	3.1	.6	.0	.0	.0	.0	5.7	2.2	.0	.0	.0	.0	.0	92.1				
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0				
TOT PCT	1.9	1.9	1.4	.0	.0	.0	.0	5.1	1.9	.0	.0	.0	.0	.0	93.0				
TOT OBS:	389																		

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	1.9	1.9	2.9	.0	.0	.0	.0	6.8	3.9	.0	.0	.0	.0	.0	89.3
06009	3.2	1.1	1.1	.0	.0	.0	.0	5.3	2.1	.0	.0	.0	.0	.0	92.6
12015	1.2	1.2	.0	.0	.0	.0	.0	2.4	1.2	.0	.0	.0	.0	.0	96.4
18021	1.1	3.2	1.1	.0	.0	.0	.0	5.3	.0	.0	.0	.0	.0	.0	94.7
TOT PCT TOT OBS:	1.9 375	1.9	1.3	.0	.0	.0	.0	5.1	1.9	.0	.0	.0	.0	.0	93.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	.3	.7	.0	.0	.0	.3	8.0	.5	.0	.9	.0	.1	1.2	.0	.4		
NE	.3	1.6	.7	.0	.0	.0	2.5	8.9	3.0	3.0	3.9	.5	3.2	1.9	2.3	1.1		
E	.5	9.1	11.8	2.0	.1	.0	23.6	13.1	24.5	20.9	25.0	15.6	25.1	21.0	31.3	22.6		
SE	1.0	21.6	34.1	6.8	.3	.0	63.8	13.8	62.3	63.3	62.8	71.6	62.8	66.4	58.3	66.2		
S	.6	3.2	2.3	.4	.0	.0	6.5	11.0	5.5	8.7	4.8	9.9	5.8	7.7	4.6	6.7		
SW	.2	1.0	.1	.0	.0	.0	1.2	7.4	1.5	2.2	.0	.5	.9	.6	2.3	1.5		
W	.4	.1	.0	.0	.0	.0	.5	2.5	.8	1.1	.0	1.0	.1	.0	.0	.7		
NW	.1	.1	.0	.0	.0	.0	.2	5.6	.5	.0	.3	.0	.1	.0	.0	.7		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	1.3						1.3	.0	1.5	.7	2.4	1.0	1.9	1.2	1.1	.0		
TOT OBS	52	443	587	110	5	0	1197		200	135	84	104	372	81	87	134		
TOT PCT	4.3	37.0	49.0	9.2	.4	.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	.2	.1	.7	.0	.0	.0	.3	8.0	.3	.4	.3	.2
NE	1.1	1.1	.4	.0	.0	.0	2.5	8.9	3.0	2.0	2.9	1.6
E	2.9	13.7	6.6	.4	.0	.0	23.6	13.1	23.1	19.8	24.3	26.0
SE	5.4	37.3	20.0	1.2	.0	.0	63.8	13.8	62.7	67.7	63.4	63.1
S	1.1	4.3	1.0	.1	.0	.0	6.5	11.0	6.8	7.6	6.1	3.9
SW	.6	.5	.1	.0	.0	.0	1.2	7.4	1.6	.3	.9	1.8
W	.5	.0	.0	.0	.0	.0	.5	2.5	.9	.5	.1	.5
NW	.1	.1	.0	.0	.0	.0	.2	5.6	.3	.1	.1	.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	1.2	1.6	1.8	.5
TOT OBS	158	683	336	20	0	1197		13.0	335	188	453	221
TOT PCT	13.2	57.1	28.1	1.7	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

JULY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	0-2	3-4	5-7	8-10	11-21	22-33	34-47	48+	MEAN	PCT	TOTAL
DIR	0-2	3-4	5-7	8-10	11-21	22-33	34-47	48+	MEAN	FREQ	OBS
N	.0	.0	.2	.3	6.7	.0	.0	.0	.2	.3	.0
NE	.0	.3	1.4	1.2	6.9	.0	.0	.0	.2	.7	.4
E	3.6	3.8	14.5	6.5	5.6	.3	.3	.0	4.6	8.8	2.9
SE	0.2	13.1	23.1	14.3	5.2	.0	.0	1.3	7.1	14.3	6.3
S	.7	1.0	1.4	1.4	5.5	.0	.0	.0	.6	1.8	.0
SW	.0	.6	.0	.0	3.5	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.3	.0	.1	.0	1.0	.0	.0	.0	.1	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.3	1.0	.3	4.8	.0	.0	.0	.3	.6	.0
TOT OBS	41	66	130	75	312	1	1	4	82	32	5
TOT PCT	13.1	21.2	41.7	24.0	100.0	.3	.3	1.3	12.8	26.3	10.3

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND	0-2	3-4	5-7	8-10	TOTAL	MEAN
DIR	0-2	3-4	5-7	8-10	OBS	CLOUD COVER
N	.0	.0	.2	.3	6.7	.0
NE	.0	.3	1.4	1.2	6.9	.0
E	3.6	3.8	14.5	6.5	5.6	.3
SE	0.2	13.1	23.1	14.3	5.2	.0
S	.7	1.0	1.4	1.4	5.5	.0
SW	.0	.6	.0	.0	3.5	.0
W	.0	.0	.0	.0	.0	.0
NW	.3	.0	.1	.0	1.0	.0
VAR	.0	.0	.0	.0	.0	.0
CALM	.3	.3	1.0	.3	4.8	.0
TOT OBS	41	66	130	75	312	5.4
TOT PCT	13.1	21.2	41.7	24.0	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH	<3/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY	HGT	OBS
.0	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.2	.7	.4	.0	.3	.0	.0	.0	1.3	
.3	.3	.0	4.6	8.8	2.9	.8	.2	.0	.0	.0	10.3	
.0	.0	1.3	7.1	14.3	6.3	.8	.4	.6	.3	.3	29.4	
.0	.0	.0	.6	1.8	.0	.0	.0	.0	.0	.0	2.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	1.0	
1	1	4	82	32	5	3	2	1	141		312	
.3	.3	1.3	12.8	26.3	10.3	1.6	1.0	.6	.3	45.2	100.0	

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

		VSBY (NM)							
CEILING (FEET)	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0	
= OR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
= OR >5000	1.6	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
= OR >3500	2.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	
= OR >2000	13.0	14.3	14.3	14.3	14.3	14.3	14.3	14.3	
= OR >1000	38.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3	
= OR >600	49.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	
= OR >300	50.5	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
= OR >150	50.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	
= OR >0	50.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	
TOTAL	159	173	173	173	173	173	173	173	

TOTAL NUMBER OF OBS: 315

PCT FREQ NH <5/8: 45.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL
									OBS	OBS
3.1	6.4	9.5	14.0	11.3	7.4	10.7	16.6	20.6	.0	326

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1853-1975

JULY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.5	.5
	TOT %	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.5	.5
5<10	PCP	.0	.0	.1	2.3	.0	.0	.0	.0	.0	.0	2.4	2.4
	NO PCP	.0	.3	2.4	5.4	1.2	.0	.0	.0	.0	.0	9.2	9.2
	TOT %	.0	.3	2.5	7.7	1.2	.0	.0	.0	.0	.0	11.7	11.7
10+	PCP	.3	.1	1.2	1.2	.0	.0	.0	.0	.0	.0	2.7	2.7
	NO PCP	.2	2.8	24.2	31.7	3.4	.8	.0	.3	.0	1.6	85.1	85.1
	TOT %	.5	3.0	25.3	32.8	3.4	.8	.0	.3	.0	1.6	87.8	87.8
TOT OBS													369
TOT PCT		.5	3.3	28.3	60.6	4.5	.8	.0	.3	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.5	.5
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.5	.1	.0	.0	.0	.0	.0	.0	.5	.5
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.3	.6	1.7	.5	.0	.0	.0	.0	.0	3.1	3.1
	11-21	.0	.0	1.7	4.9	.6	.0	.0	.0	.0	.0	7.2	7.2
	22+	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	.8
	TOT %	.0	.3	2.4	7.3	1.1	.0	.0	.0	.0	.0	11.1	11.1
10+	0-3	.0	.3	.3	.6	.2	.3	.0	.0	.0	1.5	3.1	3.1
	4-10	.5	2.3	13.1	20.6	2.3	.3	.0	.3	.0	.0	39.2	39.2
	11-21	.0	.5	11.6	27.1	.8	.3	.0	.0	.0	.0	40.2	40.2
	22+	.0	.0	1.3	4.6	.0	.0	.0	.0	.0	.0	5.9	5.9
	TOT %	.5	3.0	26.2	52.9	3.2	.8	.0	.3	.0	1.5	88.4	88.4
TOT OBS													388
TOT PCT		.5	3.2	29.1	60.3	4.3	.8	.0	.3	.0	1.5	100.0	

JULY

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975AREA 0022 ST. HELENA
15.35 5.24

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	1.3	3.8	11.3	20.0	7.5	1.3	.0	.0	.0	45.0	55.0	80
06009	.0	.0	1.3	14.1	39.7	6.4	2.6	3.8	2.6	.0	70.5	29.5	78
12015	.0	.0	.0	11.0	23.3	15.1	1.4	.0	.0	1.4	52.1	47.9	73
18021	1.1	.0	.0	13.6	20.5	12.5	2.3	.0	.0	.0	50.0	50.0	88
TOT	1	1	4	40	82	33	6	3	2	1	173	146	319
PCT	.3	.3	1.3	12.5	25.7	10.3	1.9	.9	.6	.3	54.2	45.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	14.3	85.7	112
06009	.0	.0	.0	.0	10.4	89.6	96
12015	.0	.0	.0	.0	8.0	92.0	88
18021	.0	.0	.0	2.1	12.4	85.6	97
TOT	0	0	0	2	45	346	393
PCT	.0	.0	.0	.5	11.5	88.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	5.1	16.5	29.1	54.4	79
06009	.0	1.3	15.6	55.8	28.6	77
12015	.0	.0	11.1	41.7	47.2	72
18021	1.1	1.1	14.9	35.6	49.4	87
TOT	1	6	46	127	142	315
PCT	.3	1.9	14.6	40.3	45.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.9	1.2	1.2	.0	.0	11	3.4
70/74	.0	.0	.0	1.2	9.1	13.1	5.5	1.2	99	30.2
65/69	.0	.0	.0	2.7	14.0	21.0	18.6	6.1	205	62.5
60/64	.0	.0	.0	.6	.0	.0	1.2	2.1	13	4.0
TOTAL	0	0	0	14	80	116	83	31	328	100.0
PCT	.0	.0	.0	5.5	24.4	35.4	25.3	9.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.3	1.0	1.8	.3	.0	.0	.0	.0	.0
.0	1.4	8.8	19.4	.6	.0	.0	.0	.0	.0
.3	1.1	18.4	36.4	4.0	.9	.0	.3	.0	1.2
.0	.3	.8	2.6	.0	.0	.0	.0	.0	.3
.3	3.0	29.0	60.1	4.9	.9	.0	.3	.0	1.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	73	71	68	64	61	59	67.7	319
06009	74	73	71	68	65	62	61	68.0	182
12015	81	77	74	70	66	64	64	70.3	434
18021	78	76	73	69	66	64	62	69.0	213
TOT	81	76	73	69	65	63	59	69.0	1148

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	4.3	15.2	38.0	30.4	12.0	77	92
06009	.0	7.2	18.1	23.3	38.6	10.8	77	83
12015	.0	10.8	36.5	35.1	12.2	5.4	71	74
18021	.0	.0	28.9	42.2	18.1	10.8	75	85
TOT	0	18	80	117	84	33	75	332

JULY

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

TABLE 17

AREA 0022 ST. HELENA
15.35 9.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	TOT	N FOG	NO FOG
7/8	.0	.0	.3	.6	.3	4	.0	1.2
6	.0	.0	.6	.9	.0	5	.0	1.5
5	.0	.0	.3	.3	.0	2	.0	.6
4	.0	.3	1.5	1.2	.0	10	.0	2.9
3	.0	.0	.6	.6	.0	4	.0	1.2
2	.0	.3	2.9	.9	.0	14	.0	4.1
1	.0	1.2	5.5	.6	.0	25	.0	7.3
0	.0	6.4	7.9	.9	.3	53	.0	15.5
-1	.0	5.2	7.0	.0	.0	42	.0	12.2
-2	.0	9.6	7.3	.3	.0	59	.0	17.2
-3	.0	10.8	5.0	.0	.0	54	.0	15.7
-4	.3	5.2	2.3	.0	.0	27	.0	7.9
-5	.6	4.7	1.2	.0	.0	22	.0	6.4
-6	.3	1.2	.6	.0	.0	7	.0	2.0
-7/-8	2.0	.9	.3	.0	.0	11	.0	3.2
-9/-10	.6	.3	.0	.0	.0	3	.0	.9
-14/-16	.0	.0	.3	.0	.0	1	.0	.3
TOTAL	13	158	149	21	2	343	0	343
PCT	3.8	46.1	43.4	6.1	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.6	1.6	.0	.0	.0	.0	2.2
1-2	.0	.6	.0	.0	.0	.0	.6	.0	1.3	.6	.0	.0	.0	1.9
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.4
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.6	3.1	.9	.0	.0	.0	4.6

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.6	2.9	.0	.0	.0	.0	3.5	.0	2.5	.0	.0	.0	.0	2.5
1-2	.0	7.1	1.5	.0	.0	.0	8.5	.0	8.2	.9	.0	.0	.0	9.1
3-4	.0	4.1	6.8	.4	.0	.0	11.3	.0	6.5	13.5	.1	.0	.0	20.1
5-6	.0	.0	2.9	.0	.0	.0	2.9	.0	1.8	10.4	1.2	.0	.0	13.4
7	.0	.9	1.8	.6	.0	.0	3.2	.0	.9	5.3	1.2	.0	.0	7.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	3.5	.0	.0	4.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	15.0	12.9	1.0	.0	.0	29.6	.0	19.9	30.7	6.0	.0	.0	56.6

PERIOD: (OVER-ALL) 1963-1975

JULY

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.4	.0	.0	.0	.0		.4	.0	.0	.0	.0	.0	.0		.0
3-4	.0	2.2	.0	.0	.0	.0		2.2	.0	.6	.0	.0	.0	.0		.6
5-6	.0	.6	1.3	.0	.0	.0		1.9	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	3.2	1.3	.0	.0	.0		4.6	.0	.6	.0	.0	.0	.0		.6

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.6	.0	.0	.0	.0	.0		.6	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.6	.0	.0	.0	.0	.0		.6	97.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.1	7.0	.0	.0	.0	.0	11.0	
1-2	1.2	17.4	2.9	.0	.0	.0	21.5	
3-4	.0	13.4	20.3	.6	.0	.0	34.3	
5-6	.0	2.9	14.5	1.2	.0	.0	18.6	
7	.0	1.7	7.0	1.7	.0	.0	10.5	
8-9	.0	.0	.6	3.3	.0	.0	4.1	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	5.2	42.4	45.3	7.0	.0	.0	100.0	172

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	8.5	15.3	6.0	3.6	.7	.4	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	4
6-7	.0	1.4	8.9	12.1	7.1	2.5	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	94	5
8-9	.0	.0	1.4	4.6	5.0	3.2	1.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	45	7
10-11	.0	.7	.4	2.5	.7	.4	1.1	.4	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	7
12-13	.0	.0	.7	.4	.4	1.1	.7	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	8
>13	.0	.0	.0	.7	.4	.0	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	6	20
INDET	.0	.7	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
TOTAL	1	32	76	76	48	22	13	5	7	0	0	0	0	0	0	0	0	1	0	281	6
PCT	.4	11.4	27.0	27.0	17.1	7.8	4.6	1.8	2.5	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975AREA 0022 ST. HELENA
15.35 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	2.4	.0	.0	.0	.0	.0	2.4	3.6	.0	.0	.0	.0	94.0
SE	.7	1.3	.7	.0	.0	.0	.0	2.4	2.3	.0	.0	.0	.0	95.4
S	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	95.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.7	1.5	.5	.0	.0	.0	.0	2.5	2.5	.0	.0	.0	.0	95.1
TOT OBS:	406													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
00003	.0	2.1	.0	.0	.0	.0	.0	2.1	2.1	.0	.0	.0	.0	95.7
06009	1.0	1.9	1.9	.0	.0	.0	.0	3.9	4.9	.0	.0	.0	.0	91.3
12015	1.9	.0	.0	.0	.0	.0	.0	1.9	1.9	.0	.0	.0	.0	96.3
18021	.0	1.9	.0	.0	.0	.0	.0	1.9	1.0	.0	.0	.0	.0	97.1
TOT PCT	.7	1.5	.5	.0	.0	.0	.0	2.4	2.4	.0	.0	.0	.0	95.1
TOT OBS:	409													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.1	.1	.0	.0	.0	.0			.2	4.0	.0	.4	.0	.5	.4	.0	.0	.0
NE	.1	.4	.5	.0	.0	.0			1.1	9.0	.8	2.3	.0	1.1	.6	1.3	1.5	2.1
E	.4	5.4	14.8	2.1	.2	.0			22.8	14.5	23.0	22.6	22.3	21.8	22.9	26.3	26.3	18.9
SE	1.6	12.8	45.5	7.7	.8	.0			68.4	15.0	68.9	64.7	71.3	69.1	67.9	66.4	68.3	71.8
S	.4	1.9	3.4	.5	*	.0			6.3	12.8	7.2	8.6	4.3	6.9	6.8	3.9	2.8	6.3
SW	.1	.2	.2	.0	.0	.0			.5	8.7	.1	.4	.0	.5	.8	.7	.0	.8
W	.0	.2	.0	.0	.0	.0			.2	6.0	.0	.0	.0	.0	.3	.0	1.0	.0
NW	.1	.1	.0	.0	.0	.0			.2	3.7	.0	.4	.0	.0	.4	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4								.4	.0	.0	.8	2.1	.0	.0	1.3	.0	.0
TOT OBS	35	233	717	115	11	0	1111		14.5		184	133	94	94	314	76	97	119
TOT PCT	3.2	21.0	64.5	10.4	1.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+						00	03	06	12
N	.1	.1	.0	.0	.0				.2	4.0	.2	.3	.3	.0
NE	.5	.5	*	.0	.0				1.1	9.0	1.4	.5	.7	1.9
E	1.6	13.3	7.2	.5	.1				22.8	14.5	22.8	22.1	23.5	22.2
SE	4.7	37.8	23.9	1.6	.4				68.4	15.0	67.1	70.2	67.6	70.3
S	1.2	3.4	1.5	.2	.0				6.3	12.8	7.8	5.6	6.2	4.7
SW	.2	.3	.0	.0	.0				.5	8.7	.2	.3	.8	.5
W	.1	.1	.0	.0	.0				.2	6.0	.0	.0	.3	.5
NW	.1	*	.0	.0	.0				.2	3.7	.2	.0	.3	.0
VAR	.0	.0	.0	.0	.0				.0	.0	.0	.0	.0	.0
CALM	.4								.4	.0	.3	1.1	.3	.0
TOT OBS	99	617	364	26	5	1111			14.5		317	188	390	216
TOT PCT	8.9	55.5	32.8	2.3	.5		100.0				100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1864-1975
(COVER-ALL) 1855-1975

AUGUST

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00203	.3	3.5	18.9	63.7	11.7	1.9	.0	.0	15.0	100.0	317
06209	1.1	3.2	19.7	68.1	8.0	.0	.0	.0	14.1	100.0	188
12215	.3	1.8	23.1	63.3	10.8	.8	.0	.0	14.4	100.0	390
18221	.0	3.2	21.3	64.8	9.7	.9	.0	.0	14.2	100.0	216
TOT	4	31	233	717	115	11	0	0	14.5		1111
PCT	.4	2.8	21.0	64.5	10.4	1.0	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 6	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	.0	.0	.2	.0		7.0
NE	.0	.3	.0	.1		5.0
E	.5	1.6	10.9	11.9		6.8
SE	3.8	4.4	30.8	29.6		6.5
S	.4	1.2	1.0	2.2		6.1
SW	.0	.0	.0	.1		8.0
W	.0	.0	.3	.0		7.0
NW	.0	.0	.1	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.6		8.0
TOT OBS	17	27	155	159	358	6.6
TOT PCT	4.7	7.5	43.3	44.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	
.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	
.0	.0	.0	3.8	9.4	4.0	1.1	.9	.0	.2	5.4	
.8	.3	1.4	13.5	24.8	8.4	4.7	.2	.0	.1	14.4	
.0	.0	.0	.2	1.7	1.0	.3	.0	.0	.0	1.6	
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	
.3	1	5	63	132	48	22	5	0	1	78	358
.8	.3	1.4	17.6	36.9	13.4	6.1	1.4	.0	.3	21.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.3	.3	.3	.3	.3	.3	.3	.3
>5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7
>3500	6.6	7.8	7.8	7.8	7.8	7.8	7.8	7.8
>2000	19.7	21.1	21.1	21.1	21.1	21.1	21.1	21.1
>1000	53.7	57.3	57.6	57.6	57.6	57.6	57.6	57.6
>600	70.9	75.1	75.6	75.6	75.6	75.6	75.6	75.6
>300	72.3	76.5	77.0	77.0	77.0	77.0	77.0	77.0
>150	72.6	76.7	77.3	77.3	77.3	77.3	77.3	77.3
>0	73.1	77.6	78.1	78.1	78.1	78.1	78.1	78.1
TOTAL	264	280	282	282	282	282	282	282

TOTAL NUMBER OF OBS: 361

PCT FREQ NH <5/8: 21.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	TOTAL OBS
1.8	3.1	6.5	5.7	4.7	8.8	14.5	18.2	36.4	385

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1859-1975

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	NO PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.2
	TOT %	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	.5
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	2.0	6.0	.1	.0	.0	.0	.0	.0	8.1	8.1
	TOT %	.0	.0	2.0	6.0	.1	.0	.0	.0	.0	.0	8.1	8.1
10+	PCP	.0	.0	.6	1.4	.2	.0	.0	.0	.0	.0	2.2	2.2
	NO PCP	.2	.4	23.0	59.9	4.7	.1	.2	.1	.0	.5	89.2	89.2
	TOT %	.2	.4	23.6	61.3	5.0	.1	.2	.1	.0	.5	91.4	91.4
TOT DBS		.2	.4	23.6	61.3	5.0	.1	.2	.1	.0	.5	100.0	406
TOT PCT		.2	.4	23.6	61.3	5.0	.1	.2	.1	.0	.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL DBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	.5
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	.5
5<10	0-3	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.5	.5
	4-10	.0	.0	.1	1.8	.0	.0	.0	.0	.0	.0	1.9	1.9
	11-21	.0	.0	1.1	2.5	.0	.0	.0	.0	.0	.0	3.6	3.6
	22+	.0	.0	.5	1.6	.1	.0	.0	.0	.0	.0	2.2	2.2
	TOT %	.0	.0	1.9	6.1	.1	.0	.0	.0	.0	.0	8.1	8.1
10+	0-3	.0	.0	.4	1.6	.4	.0	.0	.0	.0	.5	2.9	2.9
	4-10	.2	.2	6.2	14.2	1.9	.1	.2	.1	.0	.5	23.0	23.0
	11-21	.0	.2	15.7	40.6	3.3	.0	.0	.0	.0	.5	59.8	59.8
	22+	.0	.0	1.0	4.5	.2	.0	.0	.0	.0	.5	5.7	5.7
	TOT %	.2	.4	23.3	60.8	5.8	.1	.2	.1	.0	.5	91.4	91.4
TOT DBS		.2	.4	23.3	60.8	5.8	.1	.2	.1	.0	.5	100.0	418
TOT PCT		.2	.4	23.3	60.8	5.8	.1	.2	.1	.0	.5	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 3/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 3/8 ANY HGT	TOTAL OBS
00003	2.3	.0	1.1	18.4	35.6	9.2	10.3	1.1	.0	1.1	79.3	20.7	87
06009	1.2	1.2	3.5	16.3	36.0	19.8	5.8	1.2	.0	.0	84.9	15.1	86
12015	.0	.0	.0	19.4	36.6	9.7	4.3	3.2	.0	.0	73.1	26.9	93
18021	.0	.0	1.0	17.0	36.0	14.0	4.0	.0	.0	.0	72.0	28.0	100
TOT	3	1	5	65	132	48	22	5	0	1	282	84	366
PCT	.8	.3	1.4	17.8	36.1	13.1	6.0	1.4	.0	.3	77.0	23.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	9.2	90.8	98
06009	.0	.0	.0	1.0	8.6	90.5	105
12015	.0	.0	.0	.9	7.1	92.0	112
18021	.0	.0	.0	.0	7.5	92.5	106
TOT	0	0	0	2	34	385	421
PCT	.0	.0	.0	.5	8.1	91.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8), BY HOUR

HOURL (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH < 3/8 AND 5+	TOTAL OBS
00003	2.3	3.5	22.1	58.1	19.8	86
06009	1.2	5.9	22.4	63.5	14.1	85
12015	.0	.0	20.7	53.3	26.1	92
18021	.0	1.0	18.4	55.1	26.5	98
TOT	3	9	73	207	79	361
PCT	.8	2.5	20.8	57.3	21.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.0	.3	.8	.3	.6	.0	7	1.9
70/74	.0	.0	.0	1.4	9.1	6.6	3.3	1.1	78	21.5
65/69	.0	.0	.0	1.9	14.0	27.3	22.9	5.0	258	71.1
60/64	.0	.0	.0	.0	.3	.6	2.2	2.5	20	5.5
TOTAL	0	0	0	13	88	126	105	31	363	100.0
PCT	.0	.0	.0	3.6	24.2	34.7	28.9	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.6	1.1	.3	.0	.0	.0	.0	.0
.2	.1	5.4	15.1	.4	.0	.0	.1	.0	.3
.0	.3	18.5	47.7	3.9	.1	.3	.0	.0	.3
.0	.0	1.6	3.7	.3	.0	.0	.0	.0	.0
.2	.4	26.0	67.6	4.8	.1	.3	.1	.0	.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	72	71	70	67	64	62	60	66.8	301
06009	71	70	70	67	64	63	63	66.9	186
12015	79	77	74	69	66	64	62	69.5	384
18021	76	73	72	68	65	63	62	67.8	213
TOT	79	75	73	68	64	63	60	68.0	1084

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	3.4	12.5	39.8	33.0	11.4	77	88		
06009	.0	4.4	18.7	27.5	35.2	14.3	77	91		
12015	.0	5.3	43.6	25.5	21.3	4.3	72	94		
18021	.0	1.1	20.4	46.2	28.0	4.3	75	93		
TOT	0	13	88	127	107	31	75	366		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	W0 FOG
11/13	.0	.0	.0	.0	.3	1	.0	.3
9/10	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.5	.0	1.3	.3	8	.0	2.1
6	.0	.0	.3	.8	.0	4	.0	1.1
5	.0	.5	.8	1.1	.0	9	.0	2.4
4	.0	.3	.8	.5	.0	6	.0	1.6
3	.0	.5	1.6	.8	.0	11	.0	2.9
2	.0	.8	6.6	.0	.0	28	.0	7.4
1	.0	2.4	5.6	.5	.0	32	.0	8.5
0	.3	6.1	3.2	.5	.0	38	.0	10.1
-1	.0	12.7	4.5	.0	.0	65	.0	17.2
-2	.3	11.9	2.6	.0	.0	56	.0	14.8
-3	.5	9.3	1.3	.0	.0	42	.0	11.1
-4	.8	8.5	.5	.0	.0	37	.0	9.8
-5	1.1	3.2	.5	.0	.0	18	.0	4.8
-6	1.3	1.3	.0	.0	.0	10	.0	2.6
-7/-8	1.3	1.6	.0	.0	.0	11	.0	2.9
-9/-10	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	21		107		2	378	0	378
PCT	5.6	59.8	28.3	5.8	.5	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
1-2	.0	2.8	2.5	.0	.0	.0	5.3	1.1	6.2	4.3	.0	.0	.0	11.6
3-4	.0	1.2	8.7	.4	.0	.0	10.3	.5	5.7	13.6	.7	.0	.0	20.4
5-6	.0	.0	7.0	.0	.0	.0	7.0	.5	.5	18.8	1.1	.0	.0	20.9
7	.0	.0	4.5	.0	.0	.0	4.5	.0	.0	6.1	3.7	.0	.0	9.7
8-9	.0	.0	.9	.4	.0	.0	1.3	.0	.0	1.7	2.2	.0	.0	3.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	1.1	.0	.0	1.6
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	3.9	23.6	.8	.0	.0	28.3	2.1	13.4	45.0	9.2	.0	.0	69.7

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.5	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	.0	.9	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.5

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	1.0	1.0	.0	.0	.0	.0	2.1	
1-2	1.6	8.9	6.8	.0	.0	.0	17.3	
3-4	.5	6.8	22.5	1.0	.0	.0	30.9	
5-6	.5	.5	26.2	1.0	.0	.0	28.3	
7	.0	.0	10.5	3.7	.0	.0	14.1	
8-9	.0	.0	2.6	2.6	.0	.0	5.2	
10-11	.0	.0	.0	.5	.0	.0	.5	
12	.0	.0	.5	1.0	.0	.0	1.6	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.7	17.3	69.1	9.9	.0	.0	100.0	191

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.6	6.2	13.0	5.6	1.9	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	96	4
6-7	.3	.6	6.2	11.1	9.0	5.6	1.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	113	6
8-9	.0	.0	1.5	4.0	6.5	2.8	.9	1.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	7
10-11	.0	.0	1.2	2.5	1.2	2.8	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	7
12-13	.0	.0	.3	.0	1.2	.6	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	8
>13	.0	.0	.0	.3	1.2	.3	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	8	9
INDET	.0	.3	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	4
TOTAL	3	23	75	77	69	44	17	12	3	0	1	0	0	0	0	0	0	0	0	324	6
PCT	.9	7.1	23.1	23.8	21.3	13.6	5.2	3.7	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.34

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THOR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
E	4.5	1.2	2.4	.0	.0	.0	.0	6.9	7.3	.0	.0	.0	.0	.0	85.8
SE	.4	1.9	1.9	.0	.0	.0	.0	3.8	3.4	.0	.0	.0	.0	.0	92.9
S	.0	.0	.0	.0	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	96.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.1	1.6	1.9	.0	.0	.0	.0	4.0	4.0	.0	.0	.0	.0	.0	92.0
TOT OBS:	377														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OR TIME	PCPN PAST HOUR	THOR LTNG	FOG WQ PCPN	FOG WQ PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	2.2	2.2	2.2	.0	.0	.0	.0	5.4	3.2	.0	.0	.0	.0	.0	91.4
06009	1.1	1.1	3.4	.0	.0	.0	.0	4.5	2.3	.0	.0	.0	.0	.0	93.2
12015	1.0	2.0	1.0	.0	.0	.0	.0	4.0	3.0	.0	.0	.0	.0	.0	92.9
18021	.0	1.0	1.0	.0	.0	.0	.0	2.0	7.0	.0	.0	.0	.0	.0	91.0
TOT PCT	1.1	1.6	1.8	.0	.0	.0	.0	3.9	3.9	.0	.0	.0	.0	.0	92.1
TOT OBS:	380														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)								HOUR (GMT)								
	0-3	4-10	11-21	22-33	34-47	48+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.1	*	.0	.0	.0		.1	10.6	.0	.0	.9	.0	.2	.0	.0	.0
NE	.1	.4	.2	.0	.0	.0		.6	7.7	.6	.4	.3	.0	1.2	1.2	.0	.4
E	.3	5.5	9.6	1.8	.1	.0		17.3	14.0	19.9	15.1	14.8	17.2	18.8	15.9	16.0	15.4
SE	.9	20.8	43.6	7.1	.6	.0		73.1	14.3	73.5	73.9	72.2	75.0	71.3	70.9	77.2	73.3
S	.1	2.6	4.1	.2	.0	.0		7.1	12.4	5.0	10.5	6.5	6.8	6.3	10.3	3.4	10.0
SW	.0	.4	.2	.0	.0	.0		.6	8.5	.0	.0	1.2	.0	.7	.6	2.2	.8
W	.2	.2	.0	.0	.0	.0		.4	3.7	.0	.0	1.2	.0	.7	1.2	.0	.0
NW	.0	*	.0	.0	.0	.0		*	9.0	.0	.0	.3	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.8							.8	.0	1.1	.0	2.5	1.0	.7	.0	1.1	.0
TOT OBS	25	316	610	96	8	0	1055		13.9	181	119	81	96	284	85	89	120
TOT PCT	2.4	30.0	57.8	9.1	.8	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)								HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+	TOTAL OBS	PCT FREQ	MEAN SPD	00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0		.1	10.6	.0	.4	.1	.0				
NE	.3	.3	.0	.0	.0		.6	7.7	.5	.1	1.2	.2				
E	2.1	9.3	5.3	.6	.*		17.3	14.0	18.0	16.1	18.2	15.7				
SE	6.6	38.7	25.9	1.8	.*		73.1	14.3	73.7	73.7	71.2	75.0				
S	1.0	4.2	1.9	.0	.0		7.1	12.4	7.2	6.6	7.2	7.2				
SW	.3	.3	.0	.0	.0		.6	8.5	.0	.6	.7	1.4				
W	.4	.0	.0	.0	.0		.4	3.7	.0	.5	.8	.0				
NW	.0	.*	.0	.0	.0		.*	9.0	.0	.1	.0	.0				
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0				
CALM	.8						.8	.0	.7	1.7	.5	.5				
TOT OBS	121	559	349	25	1	1055		13.9	300	177	369	209				
TOT PCT	11.5	53.0	33.1	2.4	.1		100.0		100.0	100.0	100.0	100.0				

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975AREA 0022 ST. HELENA
15.35 5.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.7	.7	33.0	53.7	11.0	1.0	.0	14.0	100.0	300
06009	1.7	3.4	28.2	56.5	10.2	.0	.0	13.7	100.0	177
12015	.5	2.2	27.9	61.5	7.0	.8	.0	13.8	100.0	369
18021	.5	.5	30.6	58.4	9.1	1.0	.0	14.2	100.0	209
TOT	8	17	316	610	96	8	0	13.9		1055
PCT	.8	1.6	30.0	57.8	9.1	.8	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.1	.0		6.0
E	.0	1.2	5.5	10.7		7.2
SE	3.5	4.9	20.7	45.4		6.9
S	.5	.5	1.2	2.8		6.6
SW	.0	.3	.0	.6		6.3
W	.0	.0	.0	.3		8.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.3	1.5		7.8
TOT OBS	13	22	90	199	324	7.0
TOT PCT	4.0	6.8	27.8	61.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	
.0	.2	.3	4.6	4.6	3.2	1.4	.2	.0	.0	.0	2.9
.0	.1	1.5	14.7	31.7	10.7	4.5	.1	.0	.0	.0	11.1
.0	.0	.3	.7	.8	1.8	.0	.0	.0	.0	.0	1.5
.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.9	.6	.0	.0	.0	.0	.3	.0	
.0	1	7	68	125	51	19	1	0	1	51	324
.0	.3	2.2	21.0	38.6	15.7	5.9	.3	.0	.3	15.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
>OR >5000	.6	.6	.6	.6	.6	.6	.6	.6
>OR >3500	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
>OR >2000	21.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4
>OR >1000	57.4	60.7	61.0	61.0	61.0	61.0	61.0	61.0
>OR >600	75.8	81.6	81.9	81.9	81.9	81.9	81.9	81.9
>OR >300	77.9	83.7	84.0	84.0	84.0	84.0	84.0	84.0
>OR >150	78.2	84.0	84.4	84.4	84.4	84.4	84.4	84.4
>OR >0	78.2	84.0	84.4	84.4	84.4	84.4	84.4	84.4
TOTAL	255	274	275	275	275	275	275	275

TOTAL NUMBER OF OBS: 326

PCT FREQ NH <5/8: 15.6

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.9	2.0	3.8	5.5	4.3	4.3	9.0	17.9	51.4	.0	346

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.3S 5.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.0	.0	.3	.5	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	.3	1.1	.0	.0	.0	.0	.0	.0	1.3	
5<10	PCP	.0	.0	.5	1.3	.0	.0	.0	.0	.0	.0	1.9	
	NO PCP	.2	.1	1.2	7.6	.9	.1	.0	.1	.0	.0	10.1	
	TOT %	.2	.1	1.7	8.9	.9	.1	.0	.1	.0	.0	11.9	
10+	PCP	.0	.0	.6	1.0	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	.0	.0	13.8	64.3	4.4	.8	.3	.0	.0	1.6	85.1	
	TOT %	.0	.0	14.4	65.3	4.4	.8	.3	.0	.0	1.6	86.7	
TOT OBS													377
TOT PCT		.2	.1	16.4	75.2	5.3	.9	.3	.1	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.5	
	11-21	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.3	1.0	.0	.0	.0	.0	.0	.0	1.3	
5<10	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	4-10	.2	.1	.7	2.3	.3	.0	.0	.1	.0	.0	3.6	
	11-21	.0	.0	.8	5.0	.5	.1	.0	.0	.0	.0	6.4	
	22+	.0	.0	.3	.8	.0	.0	.0	.0	.0	.0	1.0	
	TOT %	.2	.1	1.8	8.8	.8	.1	.0	.1	.0	.0	11.9	
10+	0-3	.0	.0	.5	.8	.0	.0	.0	.0	.0	1.5	2.8	
	4-10	.0	.0	5.1	18.2	2.5	.8	.3	.0	.0	.0	26.8	
	11-21	.0	.0	8.2	42.3	1.8	.0	.0	.0	.0	.0	52.3	
	22+	.0	.0	.7	3.9	.3	.0	.0	.0	.0	.0	4.9	
	TOT %	.0	.0	14.5	65.2	4.6	.8	.3	.0	.0	1.5	86.9	
TOT OBS													388
TOT PCT		.2	.1	16.6	75.0	5.4	.9	.3	.1	.0	1.5	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1854-1975

AREA 0022 ST. HELENA
15.95 5.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 239	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	3.8	21.8	34.6	14.1	5.1	.0	.0	.0	79.5	20.5	78
06009	.0	1.3	2.6	20.5	41.0	15.4	6.4	1.3	.0	.0	88.5	11.5	78
12015	.0	.0	2.2	17.8	43.3	16.7	5.6	.0	.0	1.1	86.7	13.3	90
18021	.0	.0	.0	22.1	32.6	16.3	5.8	.0	.0	.0	76.7	23.3	86
TOT	0	1	7	68	126	92	19	1	0	1	275	57	332
PCT	.0	.3	2.1	20.5	38.0	15.7	5.7	.3	.0	.3	82.6	17.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	1.0	15.6	83.3	96
06009	.0	.0	.0	1.1	15.4	83.5	91
12015	.0	.0	.0	1.0	10.7	88.3	103
18021	.0	.0	.0	2.0	6.9	91.1	101
TOT	0	0	0	5	47	339	391
PCT	.0	.0	.0	1.3	12.0	86.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	3.9	26.3	55.3	18.4	76
06009	.0	3.8	25.6	64.1	10.3	78
12015	.0	2.3	21.6	67.0	11.4	88
18021	.0	.0	23.8	56.0	20.2	84
TOT	0	8	79	198	49	326
PCT	.0	2.5	24.2	60.7	15.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
75/79	.0	.0	.0	.0	.3	.6	.0	.0	3	.9
70/74	.0	.0	.0	.9	6.7	5.8	2.9	.9	59	17.3
65/69	.0	.0	.0	.6	9.6	33.9	24.0	5.3	251	73.4
60/64	.0	.0	.0	.3	.8	3.2	2.9	1.2	28	8.2
TOTAL	0	0	0	6	59	149	103	25	342	100.0
PCT	.0	.0	.0	1.8	17.3	43.6	30.1	7.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
75/79	.0	.0	.3	.1	.5	.0	.0	.0	.0	.0
70/74	.0	.0	3.2	12.1	.4	.6	.0	.0	.0	.9
65/69	.2	.1	12.0	55.9	3.8	.4	.3	.1	.0	.6
60/64	.0	.0	.9	6.1	.9	.0	.0	.0	.0	.3
TOTAL	.2	.1	16.4	74.6	5.6	1.0	.3	.1	.0	1.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	77	72	69	66	64	62	62	66.5	285
06009	77	76	69	66	63	62	62	66.5	168
12015	80	76	74	69	66	64	63	69.1	361
18021	84	74	71	67	64	63	63	67.4	200
TOT	84	76	72	67	64	63	62	67.6	1014

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	14.8	45.5	35.2	4.5	77	88		
06009	.0	1.3	15.4	38.5	32.1	12.8	78	78		
12015	.0	3.3	25.3	42.9	24.2	4.4	74	91		
18021	.0	2.3	14.6	45.5	28.4	10.2	77	88		
TOT	0	6	60	149	103	27	77	345		

SEPTEMBER

PERIOD: (PRIMARY) 1867-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.35 5.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	TOT	N FOG	NO FOG
7/8	.0	.0	.0	1.2	4	.0	1.2
6	.0	.0	.0	.3	1	.0	.3
5	.0	.6	.0	.9	5	.0	1.4
4	.3	.3	1.7	1.2	12	.0	3.5
3	.0	.0	.9	.0	3	.0	.9
2	.0	4.0	3.5	.3	27	.0	7.8
1	.3	6.9	3.8	.0	38	.0	11.0
0	.3	9.8	2.6	.3	45	.0	13.0
-1	.3	12.4	3.2	.0	55	.0	15.9
-2	1.7	11.0	1.4	.3	30	.0	14.5
-3	1.7	7.5	2.0	.3	40	.0	11.6
-4	.9	6.9	.6	.0	29	.0	8.4
-5	1.4	2.9	.6	.0	17	.0	4.9
-6	.6	2.9	.0	.0	12	.0	3.5
-7/-8	.3	.3	.3	.3	4	.0	1.2
-9/-10	.0	.3	.3	.0	2	.0	.6
-11/-13	.0	.3	.0	.0	1	.0	.3
-14/-16	.3	.0	.0	.0	1	.0	.3
TOTAL	28	229	72	17	346	0	346
PCT	8.1	66.2	20.8	4.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	1.2	.6	.0	.0	.0	.0	1.7	1.2	1.2	.0	.0	.0	.0	2.3
1-2	.0	3.2	1.4	.0	.0	.0	4.6	.0	5.1	5.6	.0	.0	.0	10.7
3-4	.0	1.0	3.0	.0	.0	.0	4.0	.0	6.1	16.3	1.2	.0	.0	23.6
5-6	.0	1.0	2.3	.0	.0	.0	3.3	.0	2.0	17.5	1.2	.0	.0	20.7
7	.0	.0	1.0	.4	.0	.0	1.4	.0	.0	9.0	3.0	.6	.0	12.6
8-9	.0	.0	.6	.0	.0	.0	.6	.0	.0	2.3	.6	.0	.0	2.9
10-11	.0	.0	.6	.0	.0	.0	.6	.0	.0	2.9	.0	.0	.0	2.9
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	5.8	9.0	.4	.0	.0	16.3	1.2	14.3	54.2	5.9	.6	.0	76.2

PERIOD: (OVER-ALL) 1963-1975

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.0	.4	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.4	.9	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	.4	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.9	2.2	.0	.0	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	98.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.0	1.7	.0	.0	.0	.0	5.8	
1-2	.0	10.4	7.5	.0	.0	.0	17.9	
3-4	.0	8.1	20.2	1.2	.0	.0	29.5	
5-6	.0	3.5	20.2	1.2	.0	.0	24.9	
7	.0	.0	10.4	3.5	.6	.0	14.5	
8-9	.0	.0	2.9	.6	.0	.0	3.5	
10-11	.0	.0	3.5	.0	.0	.0	3.5	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.6	.0	.0	.0	.6	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.0	23.7	65.3	6.4	.6	.0	100.0	173

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.1	4.8	13.0	8.6	3.8	.0	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100	4
6-7	.0	.0	3.8	12.3	6.8	1.0	2.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	6
8-9	.0	.7	1.0	5.5	5.5	3.4	.7	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	7
10-11	.0	2.1	.3	.7	2.7	1.0	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	7
12-13	.0	.0	1.4	.7	2.1	.3	.3	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	16	9
>13	.0	.0	.0	.0	1.7	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	7	10
INDFT	1.4	.0	.3	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
TOTAL	10	22	58	83	68	18	21	8	1	0	0	1	2	0	0	0	0	0	0	292	6
PCT	3.4	7.5	19.9	28.4	23.3	6.2	7.2	2.7	.3	.0	.0	.3	.7	.0	.0	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975AREA 0022 ST. HELENA
15.45 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.9	.0	.0	.0	.0	.0	.9	.7	.0	.0	.0	.0	.0	.0	98.4
SE	.0	2.3	1.2	.0	.0	.0	.0	3.5	4.4	.0	.0	.0	.0	.0	.0	92.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.9	.8	.0	.0	.0	.0	2.7	3.2	.0	.0	.0	.0	.0	.0	94.1
TOT OBS:	372															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA	
00003	.0	1.9	1.0	.0	.0	.0	.0	2.9	1.9	.0	.0	.0	.0	.0	.0	95.2
06009	.0	2.1	1.0	.0	.0	.0	.0	3.1	5.2	.0	.0	.0	.0	.0	.0	91.7
12015	.0	1.1	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	.0	.0	.0	.0	96.7
18021	.0	2.4	1.2	.0	.0	.0	.0	3.6	3.6	.0	.0	.0	.0	.0	.0	92.9
TOT PCT	.0	1.9	.8	.0	.0	.0	.0	2.7	3.2	.0	.0	.0	.0	.0	.0	94.1
TOT OBS:	374															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0		.1	10.0		.0	.0	.0	.0	.0	.0	1.2	.0
NE	.0	.4	.5	.0	.0	.0		1.0	12.7		1.0	1.2	.0	.0	1.3	1.6	.0	1.5
E	.1	6.7	13.9	1.7	.0	.0		22.4	13.6		23.5	13.7	26.2	17.2	23.7	31.3	25.3	23.5
SE	.5	17.0	47.6	6.1	.2	.0		71.4	14.3		70.8	76.8	73.8	76.6	70.9	60.4	71.3	68.4
S	.1	1.6	2.3	.2	.0	.0		4.2	12.2		3.8	6.3	.0	5.4	3.6	5.7	2.1	4.8
SW	.0	.4	.1	.0	.0	.0		.5	8.7		.2	1.2	.0	.4	.5	.0	.0	1.5
W	.0	.0	.2	.0	.0	.0		.2	13.1		.2	.3	.0	.4	.0	1.0	.0	.4
NW	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2							.2	.0		.5	.6	.0	.0	.0	.0	.0	.0
TOT OBS	10	318	783	97	2	0	1210		14.0		210	168	86	129	303	96	82	136
TOT PCT	.8	26.3	64.7	8.0	.2	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	.0	.1	.0	.0	.0	.1	10.0	.0	.0	.0	.5		
NE	.2	.4	.4	.0	.0	1.0	12.7	1.1	.0	1.4	.9		
E	1.4	14.9	5.8	.3	.0	22.4	13.6	19.1	20.8	25.5	24.2		
SE	3.3	42.2	25.2	.8	.0	71.4	14.3	73.5	75.5	68.4	69.5		
S	.4	2.9	.9	.0	.0	4.2	12.2	4.9	3.3	4.1	3.8		
SW	.2	.3	*	.0	.0	.5	8.7	.7	.2	.4	.9		
W	.0	.2	*	.0	.0	.2	13.1	.3	.2	.3	.2		
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.2					.2	.0	.5	.0	.0	.0		
TOT OBS	68	738	391	13	0	1210		14.0	378	215	399	218	
TOT PCT	5.6	61.0	32.3	1.1	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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AREA 0022 ST. HELENA
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND	CALM	1-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
00003	.5	.3	28.6	63.0	7.7	.0	.0	13.8	100.0	378
06009	.0	.9	25.1	65.1	8.4	.5	.0	14.2	100.0	215
12015	.0	1.0	25.6	64.9	8.3	.3	.0	14.0	100.0	399
18021	.0	.5	24.8	67.0	7.8	.0	.0	14.2	100.0	218
TOT	2	8	318	783	97	2	0	14.0		1210
PCT	.2	.7	26.3	64.7	8.0	.2	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.3		8.0
NE	.0	.0	.0	.3		8.0
E	1.9	1.0	10.2	16.2		6.8
SE	4.0	4.5	25.2	33.0		6.7
S	.0	.7	.3	.2		5.1
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	20	21	120	175	336	6.7
TOT PCT	6.0	6.3	35.7	52.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) NH >4/8
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
.0	.2	.7	7.4	11.3	3.1	.6	.0	.0	.0	.3	5.7
.0	.4	1.3	14.4	26.5	9.1	3.0	.9	.6	.0	12.6	
.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.2	7	75	128	41	12	3	2	1	65	336
.0	.6	2.1	22.3	38.1	12.2	3.6	.9	.6	.3	19.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.9	.9	.9	.9	.9	.9	.9	.9
= OR >5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
= OR >3500	5.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6
= OR >2000	13.4	17.3	17.8	17.8	17.8	17.8	17.8	17.8
= OR >1000	50.1	55.5	55.8	55.8	55.8	55.8	55.8	55.8
= OR >600	71.2	77.7	78.0	78.0	78.0	78.0	78.0	78.0
= OR >300	73.0	79.8	80.1	80.1	80.1	80.1	80.1	80.1
= OR >150	73.6	80.4	80.7	80.7	80.7	80.7	80.7	80.7
= OR >0	73.6	80.4	80.7	80.7	80.7	80.7	80.7	80.7
TOTAL	248	271	272	272	272	272	272	272

TOTAL NUMBER OF OBS: 337

PCT FREQ NH <5/8 19.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
.8	3.3	5.8	4.7	6.1	6.6	11.3	17.4	43.9	.0	362

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.0	.0	.3	1.3	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	.0	.0	1.1	5.6	.2	.0	.0	.0	.0	.0	7.0	
	TOT %	.0	.0	1.4	7.0	.2	.0	.0	.0	.0	.0	8.6	
10+	PCP	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	1.1	
	NO PCP	.3	.3	27.8	60.6	.9	.3	.0	.0	.0	.0	90.1	
	TOT %	.3	.3	27.8	61.6	.9	.3	.0	.0	.0	.0	91.1	
TOT OBS													372
TOT PCT		.3	.3	29.2	68.9	1.1	.3	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.3	1.1	.2	.0	.0	.0	.0	.0	1.5	
	11-21	.0	.0	1.3	4.9	.0	.0	.0	.0	.0	.0	6.3	
	22+	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.8	
	TOT %	.0	.0	1.6	6.8	.2	.0	.0	.0	.0	.0	8.5	
10+	0-3	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.5	
	4-10	.3	.0	10.0	19.9	.6	.3	.0	.0	.0	.0	31.0	
	11-21	.0	.3	14.3	37.0	.3	.0	.0	.0	.0	.0	51.8	
	22+	.0	.0	2.9	5.1	.0	.0	.0	.0	.0	.0	8.0	
	TOT %	.3	.3	27.4	62.2	.9	.3	.0	.0	.0	.0	91.3	
TOT OBS													400
TOT PCT		.3	.3	29.0	69.2	1.1	.3	.0	.0	.0	.0	100.0	

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.4S 5.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY MGT	TOTAL OBS
00003	.0	1.1	1.1	21.5	35.5	6.5	4.3	1.1	1.1	.0	72.0	28.0	93
06009	.0	.0	3.4	27.6	40.2	13.8	2.3	1.1	.0	1.1	89.7	10.3	87
12015	.0	1.2	1.2	20.0	31.8	17.6	5.9	1.2	1.2	.0	80.0	20.0	85
18021	.0	.0	2.4	16.9	39.8	10.8	2.4	.0	.0	.0	72.3	27.7	83
TOT	0	2	7	75	128	42	13	3	2	1	273	75	348
PCT	.0	.6	2.0	21.6	36.8	12.1	3.7	.9	.6	.3	78.4	21.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.9	12.4	86.7	113
06009	.0	.0	.0	.0	5.9	94.1	101
12015	.0	.0	.0	.0	5.1	94.9	99
18021	.0	.0	.0	.0	10.1	89.9	89
TOT	0	0	0	1	34	367	402
PCT	.0	.0	.0	.2	8.5	91.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	2.2	25.3	48.4	26.4	91
06009	.0	3.5	31.8	58.8	9.4	85
12015	.0	2.5	23.5	60.5	16.0	81
18021	.0	2.5	20.0	55.0	25.0	80
TOT	0	9	85	187	65	337
PCT	.0	2.7	25.2	55.5	19.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
75/79	.0	.0	.3	1.2	.3	.6	.0	.0	8	2.4
70/74	.0	.0	.0	.9	6.6	9.1	1.0	.0	61	18.4
65/69	.0	.0	.0	.6	7.3	28.1	28.7	8.8	243	73.4
60/64	.0	.0	.0	.0	.3	2.1	1.5	1.8	19	5.7
TOTAL	0	0	1	9	48	132	106	35	331	100.0
PCT	.0	.0	.3	2.7	14.5	39.9	32.0	10.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
75/79	.0	.0	.5	1.7	.0	.3	.0	.0	.0	.0
70/74	.3	.3	6.3	11.3	.3	.0	.0	.0	.0	.0
65/69	.0	.0	21.0	51.7	.8	.0	.0	.0	.0	.0
60/64	.0	.0	1.6	3.9	.2	.0	.0	.0	.0	.0
TOT	.3	.3	29.3	68.5	1.3	.3	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	74	70	67	64	62	58	66.9	351
06009	80	74	71	67	64	63	61	67.1	205
12015	80	76	74	69	66	65	64	69.6	380
18021	81	74	72	68	65	63	61	67.9	203
TOT	81	75	73	68	64	63	58	68.0	1139

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	7.9	36.0	38.2	18.0	80	89
06009	.0	1.1	14.8	28.4	40.9	14.8	79	88
12015	.0	9.9	27.2	46.9	12.3	3.7	72	81
18021	.0	1.3	9.3	50.7	34.7	4.0	77	75
TOT	0	10	49	133	106	35	77	333

OCTOBER

 PERIOD: (PRIMARY) 1864-1975
 (OVER-ALL) 1855-1975

TABLE 17

 AREA 0022 ST. HELENA
 13.4S 5.2W

 PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
 VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	TOT	W FOG	WQ FOG
9/10	.0	.0	.0	.3	.6	3	.0	.9
7/8	.0	.0	.0	3.5	.3	13	.0	3.8
6	.0	.0	.3	.6	.0	3	.0	.9
5	.0	.0	.6	.6	.0	4	.0	1.2
4	.0	.3	2.6	.9	.0	13	.0	3.8
3	.0	.6	2.6	.9	.0	14	.0	4.1
2	.0	2.6	3.8	.0	.0	22	.0	6.4
1	.0	3.5	2.0	.0	.0	19	.0	5.6
0	.3	14.3	3.8	.0	.0	63	.0	18.4
-1	.6	14.6	2.6	.0	.0	61	.0	17.8
-2	.6	15.5	1.5	.0	.0	60	.0	17.5
-3	1.5	6.1	.6	.0	.0	28	.0	8.2
-4	1.8	2.9	.3	.0	.0	17	.0	5.0
-5	.3	2.3	.0	.0	.0	9	.0	2.6
-6	.9	1.5	.0	.3	.0	9	.0	2.6
-7/-8	.6	.3	.0	.0	.0	3	.0	.9
-11/-13	.0	.3	.0	.0	.0	1	.0	.3
TOTAL	22	222	71	3	3	342	0	342
PCT	6.4	64.9	20.8	7.0	.9	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.6	.0	.0	.0	1.2
1-2	.0	6.4	8.6	.0	.0	.0	7.0	.6	7.6	4.1	.0	.0	.0	12.3
3-4	.0	1.8	8.5	.0	.0	.0	10.2	.0	5.3	19.6	.0	.0	.0	24.9
5-6	.0	.0	7.5	1.0	.0	.0	8.5	.0	1.8	20.6	1.3	.0	.0	23.7
7	.0	.0	1.6	1.9	.0	.0	3.5	.0	.0	1.9	2.2	.0	.0	4.1
8-9	.0	.0	.0	1.3	.0	.0	1.3	.0	.0	.0	.4	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.6	.0	.0	1.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.6
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	8.2	18.1	4.2	.0	.0	30.6	.6	15.2	48.5	4.5	.0	.0	68.9

PERIOD: (OVER-ALL) 1963-1975

OCTOBER

AREA 0022 ST. HELENA
15.4S 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.6	.6	.0	.0	.0	1.2	
1-2	.6	14.6	4.7	.0	.0	.0	19.9	
3-4	.0	7.0	28.1	.0	.0	.0	35.1	
5-6	.0	1.8	28.1	2.3	.0	.0	32.2	
7	.0	.0	3.5	4.1	.0	.0	7.6	
8-9	.0	.0	.0	1.8	.0	.0	1.8	
10-11	.0	.0	1.2	.6	.0	.0	1.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.6	.0	.0	.0	.6	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	24.0	66.7	8.8	.0	.0	100.0	171

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	5.5	20.6	8.9	1.4	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	4
6-7	.0	1.4	4.1	13.8	8.6	3.1	2.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	104	6
8-9	.0	.0	1.4	3.1	3.1	3.1	1.4	.3	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	38	7
10-11	.0	.0	.3	1.7	1.0	1.0	.7	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	7
12-13	.0	.0	.3	1.0	.0	.7	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
>13	.0	.0	.0	.3	1.0	.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	7
INDET	.7	.0	1.7	.3	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	4
TOTAL	2	20	83	91	47	25	17	2	4	0	0	0	0	0	0	0	0	0	0	291	5
PCT	.7	6.9	28.5	31.3	16.2	8.6	5.8	.7	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG PCPN	FGG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	1.0	1.0	.0	.0	.0	.0	2.1	1.8	.0	.0	.0	.0	.0	96.1
SE	.5	.0	.5	.0	.0	.0	.0	1.0	2.5	.0	.0	.0	.0	.0	96.5
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.3	.3	.6	.0	.0	.0	.0	1.2	2.1	.0	.0	.0	.0	.0	96.7
TOT OBS:	331														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG PCPN	FGG WO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
0000	.0	.0	.0	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	93.3
0600	1.4	.0	2.9	.0	.0	.0	.0	4.3	1.4	.0	.0	.0	.0	.0	94.3
1200	.0	.0	1.1	.0	.0	.0	.0	1.1	2.2	.0	.0	.0	.0	.0	96.7
1800	.0	1.1	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	98.9
TOT PCT	.3	.3	.9	.0	.0	.0	.0	1.5	2.1	.0	.0	.0	.0	.0	96.4
TOT OBS:	335														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	.1	.1	.2	.0	.0	.0		.3	8.2	.8	.0	.0	.0	.0	.0	2.3	.3
NE	.0	.7	.5	.1	.0	.0		1.3	10.9	2.1	.8	.0	1.8	1.0	1.6	.0	1.6
E	.1	7.9	12.8	1.2	.0	.0		22.0	12.9	21.5	14.4	23.7	18.0	23.3	22.4	32.5	21.4
SE	.8	22.4	43.7	9.6	.0	.0		70.6	13.1	68.0	77.2	71.3	75.0	68.6	72.8	57.5	71.1
S	.2	2.5	2.2	.1	.0	.0		5.0	10.6	5.8	6.8	1.1	3.5	5.1	3.1	9.5	5.6
SW	.1	.3	*	.0	.0	.0		.5	6.8	.9	.8	.4	1.8	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.0		.1	5.5	.4	.0	.0	.0	.0	.0	1.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2							.2	.0	.4	.0	1.5	.0	.0	.0	1.1	.0
TOT OBS	21	456	793	66	0	0	1336		12.8	224	191	67	142	311	127	87	187
TOT PCT	1.6	34.1	59.4	4.9	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	.1	.1	*	.0	.0		.3	8.2	.4	.0	.0	.9	
NE	.3	.7	.2	.0	.0		1.3	10.9	1.5	1.2	1.2	1.1	
E	1.8	14.2	5.9	.0	.0		22.0	12.9	18.3	20.5	24.5	24.9	
SE	5.7	45.6	19.1	.1	.0		70.6	13.1	72.2	73.8	69.8	66.8	
S	.9	3.6	.5	.0	.0		5.0	10.6	6.3	2.8	4.5	5.6	
SW	.2	.2	.0	.0	.0		.5	6.8	.8	1.3	.0	.0	
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
NW	.1	.0	.0	.0	.0		.1	5.5	.2	.0	.0	.4	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.2						.2	.0	.2	.5	.0	.4	
TOT OBS	127	862	345	2	0	1336		12.8	415	209	438	274	
TOT PCT	9.5	64.5	25.8	.1	.0		100.0		100.0	100.0	100.0	100.0	

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PERIOD: (PRIMARY) 1863-1975
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GKT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.2	2.2	33.0	59.3	5.3	.0	.0	12.8	100.0	415
06009	.5	.5	34.0	60.3	4.8	.0	.0	12.9	100.0	209
12015	.0	.7	34.7	59.8	4.8	.0	.0	12.7	100.0	438
18021	.4	1.8	35.0	58.0	4.7	.0	.0	12.8	100.0	274
TOT	.3	1.8	45.6	79.3	6.6	0	0	12.8		1336
PCT	.2	1.3	34.1	59.4	4.9	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.7	.2	.0	.0		2.1
NE	.7	.1	.4	.5		4.1
E	3.0	3.8	9.5	13.6		6.2
SE	5.3	7.5	17.4	31.9		6.4
S	.7	.8	1.5	.8		5.1
SW	.4	.0	.0	.0		1.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.3	.3		6.5
VAR	.0	.0	.0	.0		.0
CALM	.3	.0	.3	.0		3.5
TOT OBS	34	28	90	144	306	6.2
TOT PCT	11.1	12.4	29.4	47.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		ANY HGT	OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	1.4	
.7	.7	.7	3.8	10.3	3.5	.6	.3	.0	.0	9.7	
.1	.0	1.2	8.5	23.8	9.3	2.4	.4	.0	.0	16.4	
.0	.0	.0	.8	.7	.5	.2	.0	.0	.0	1.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
.1	.2	.6	41	108	42	9	3	.0	.0	94	306
.3	.7	2.0	13.4	35.3	13.7	2.9	1.0	.0	.0	30.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>5000	.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0
>3500	3.3	3.6	3.6	3.6	3.6	3.6	3.6	3.6
>2000	17.0	17.3	17.3	17.3	17.3	17.3	17.3	17.3
>1000	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6
>600	63.7	65.7	66.0	66.0	66.0	66.0	66.0	66.0
>300	65.7	67.6	68.0	68.0	68.0	68.0	68.0	68.0
>150	65.7	68.3	68.6	68.6	68.6	68.6	68.6	68.6
>0	66.0	68.6	69.0	69.0	69.0	69.0	69.0	69.0
TOTAL	202	210	211	211	211	211	211	211

TOTAL NUMBER OF OBS: 306

PCT FREQ NH <5/8: 31.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL
										OBS
2.2	6.9	5.6	6.0	10.0	7.2	7.5	15.4	39.2	.0	319

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
5<10	PCP	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.9	.9
	NO PCP	.0	.0	1.4	2.7	.2	.0	.0	.0	.0	.3	4.5	4.5
	TOT %	.0	.0	1.7	3.3	.2	.0	.0	.0	.0	.3	5.5	5.5
10+	PCP	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.8	1.5	27.1	59.5	3.6	.4	.0	.6	.0	.3	93.9	93.9
	TOT %	.8	1.5	27.4	59.5	3.6	.4	.0	.6	.0	.3	94.2	94.2
TOT OBS													330
TOT PCT		.8	1.5	29.1	63.1	3.9	.4	.0	.6	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
	4-10	.0	.0	.2	1.0	.2	.0	.0	.0	.0	.0	1.5	1.5
	11-21	.0	.0	1.4	3.3	.0	.0	.0	.0	.0	.0	4.7	4.7
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.6	4.3	.2	.0	.0	.0	.0	.3	6.4	6.4
10+	0-3	.3	.0	.4	1.0	.2	.4	.0	.0	.0	.3	2.6	2.6
	4-10	.3	1.2	11.1	23.7	2.5	.0	.0	.6	.0	.0	39.4	39.4
	11-21	.2	.2	14.2	32.1	.8	.0	.0	.0	.0	.0	47.5	47.5
	22+	.0	.0	1.1	2.7	.0	.0	.0	.0	.0	.0	3.8	3.8
	TOT %	.8	1.5	26.8	59.5	3.5	.4	.0	.6	.0	.3	93.3	93.3
TOT OBS													343
TOT PCT		.8	1.5	28.4	64.1	3.7	.4	.0	.6	.0	.6	100.0	

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PERIOD: (PRIMARY) 1863-1975
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	1.3	2.5	12.7	31.6	11.4	2.5	.0	.0	.0	62.0	38.0	79
06009	.0	.0	4.5	12.1	45.5	15.2	4.5	3.0	.0	.0	84.8	15.2	66
12015	1.2	1.2	1.2	12.3	33.3	16.0	3.7	1.2	.0	.0	70.4	29.6	81
18021	.0	.0	.0	15.3	30.6	12.9	1.2	.0	.0	.0	60.0	40.0	85
TOT	1	2	6	41	108	43	9	3	0	0	213	98	311
PCT	.3	.6	1.9	13.2	34.7	13.8	2.9	1.0	.0	.0	68.5	31.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	9.1	90.9	88
06009	.0	.0	.0	.0	9.6	90.4	73
12015	.0	.0	.0	.0	7.4	92.6	95
18021	.0	.0	.0	1.1	2.2	96.7	91
TOT	0	0	0	1	24	322	347
PCT	.0	.0	.0	.3	6.9	92.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	3.8	16.5	45.6	38.0	79
06009	.0	4.6	16.9	69.2	13.8	65
12015	1.3	3.8	16.5	54.4	29.1	79
18021	.0	.0	15.7	44.6	39.8	83
TOT	1	9	50	161	95	306
PCT	.3	2.9	16.3	52.6	31.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
80/84	.0	.0	.0	.3	.7	.3	.0	.0	4	1.3
75/79	.0	.0	.0	.7	3.7	1.3	.7	.3	20	6.6
70/74	.0	.0	.0	.7	8.4	13.3	8.0	1.7	97	32.2
65/69	.0	.0	.0	.7	4.3	24.9	22.6	7.0	179	59.5
60/64	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	7	52	120	95	27	301	100.0
PCT	.0	.0	.0	2.3	17.3	39.9	31.6	9.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
80/84	.0	.0	.8	.5	.0	.0	.0	.0	.0	.0
75/79	.2	.5	1.9	3.7	.0	.0	.0	.0	.0	.3
70/74	.3	.3	9.4	20.5	1.0	.0	.0	.7	.0	.0
65/69	.3	.7	16.8	37.6	3.2	.4	.0	.0	.0	.3
60/64	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
TOTAL	.9	1.6	28.9	62.6	4.2	.4	.0	.7	.0	.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	77	72	71	68	65	64	63	67.9	396
06009	75	73	71	68	66	64	64	68.4	205
12015	83	79	76	71	67	66	65	70.9	427
18021	80	76	73	69	66	65	63	69.2	265
TOT	83	77	73	69	66	65	63	69.3	1293

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	6.4	35.9	43.6	12.8	80	78		
06009	.0	1.5	7.7	40.0	38.5	12.3	78	65		
12015	.0	3.7	38.3	34.6	17.3	6.2	72	81		
18021	.0	2.5	13.9	49.4	27.8	6.3	76	79		
TOT	0	7	52	121	95	28	77	303		

NOVEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975AREA 0022 ST. HELENA
15.35 5.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.0	.6	.3	3	.0	.9
9/10	.0	.0	.3	.9	.9	.0	7	.0	2.2
7/8	.0	.0	.0	1.3	.3	.0	5	.0	1.6
6	.0	.0	.3	.9	.0	.3	5	.0	1.6
5	.0	.0	.6	1.3	.6	.0	8	.0	2.5
4	.0	.0	1.9	1.3	.0	.0	10	.0	3.1
3	.0	.3	2.8	1.3	.0	.0	17	.0	5.3
2	.3	.9	5.9	.6	.3	.0	26	.0	8.1
1	.0	2.8	9.4	1.3	.3	.0	44	.0	13.8
0	.0	6.6	8.8	1.3	.0	.0	53	.0	16.6
-1	.0	9.1	5.3	.3	.0	.0	47	.0	14.7
-2	.0	10.6	3.8	.3	.0	.0	47	.0	14.7
-3	.0	4.4	2.8	.0	.0	.0	23	.0	7.2
-4	.0	3.1	.3	.0	.0	.0	11	.0	3.4
-5	.0	2.2	.3	.0	.0	.0	8	.0	2.5
-6	.3	.9	.0	.0	.0	.0	4	.0	1.3
-7/-8	.3	.3	.0	.0	.0	.0	2	.0	.6
TOTAL	3	132	139	34	10	2	320	0	92.0
PCT	.9	41.3	43.4	10.6	3.1	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2
1-2	.0	.6	.0	.0	.0	.0	.6	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.6	.0	.0	.0	.0	.6	.0	1.9	.0	.0	.0	.0	1.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	1.2	.0	.0	.0	.0	1.2	.6	2.7	.0	.0	.0	.0	3.3
1-2	.4	8.0	2.5	.0	.0	.0	10.9	1.9	7.7	3.0	.0	.0	.0	12.6
3-4	.0	3.7	5.3	.0	.0	.0	9.0	.0	7.0	16.6	.0	.0	.0	23.5
5-6	.0	1.2	5.6	.9	.0	.0	7.7	.0	1.2	9.2	.3	.0	.0	10.7
7	.0	.9	2.4	.4	.0	.0	3.7	.0	.3	3.8	.7	.0	.0	4.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.4	.0	.0	.0	.4	.0	.0	.1	1.2	.0	.0	1.3
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	14.9	16.9	1.3	.0	.0	33.6	2.5	18.8	32.7	2.2	.0	.0	56.2

PERIOD: (OVER-ALL) 1963-1975

NOVEMBER

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.4	2.5	.4	.0	.0	.0	3.4	.7	.0	.0	.0	.0	.0	.7	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	3.4	1.3	.0	.0	.0	5.2	.7	.0	.0	.0	.0	.0	.7	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6	98.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	1.8	5.9	.0	.0	.0	.0	7.6	.0
1-2	3.5	19.4	5.9	.0	.0	.0	28.8	.0
3-4	.6	10.6	21.8	.0	.0	.0	32.9	.0
5-6	.0	2.4	14.7	1.2	.0	.0	18.2	.0
7	.0	1.8	7.1	1.2	.0	.0	10.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.6	1.2	.0	.0	1.8	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.6	.0	.0	.0	.6	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	5.9	40.0	50.6	3.5	.0	.0	100.0	170

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.1	12.8	17.4	8.2	3.9	.7	.7	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	127	4
6-7	.0	1.4	8.5	9.6	5.7	2.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	5
8-9	.0	.7	1.8	3.9	3.5	3.2	2.5	1.4	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	50	7
10-11	.0	.4	.7	.4	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	5
12-13	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	3
>13	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDET	.7	1.8	.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	2
TOTAL	5	48	85	65	41	19	12	4	1	1	1	0	0	0	0	0	0	0	0	282	5
PCT	1.8	17.0	30.1	23.0	14.5	6.7	4.3	1.4	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1859-1975AREA 0022 ST. HELENA
15.45 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	1.0	.0	2.3	.0	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	96.7
SE	.5	.9	1.4	.0	.0	.0	.0	2.8	.9	.0	.0	.0	.4	.0	96.0
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALF	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.6	.6	1.5	.0	.0	.0	.0	2.8	.6	.0	.0	.0	.3	.0	96.3
TOT OBS:	325														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	.0	.0	.0	1.3	.0	97.5
06009	.0	2.4	2.4	.0	.0	.0	.0	4.9	1.2	.0	.0	.0	.0	.0	93.9
12015	2.1	.0	1.0	.0	.0	.0	.0	3.1	1.0	.0	.0	.0	.0	.0	95.9
18021	.0	.0	1.5	.0	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	98.5
TOT PCT	.6	.6	1.5	.0	.0	.0	.0	2.8	.6	.0	.0	.0	.3	.0	96.3
TOT OBS:	326														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.2	.5	.2	.1	.0	.0		1.0	9.6	.6	.0	.0	.0	.6	1.9	2.6	.0	1.1
E	.5	7.9	11.1	1.1	.0	.0		20.6	12.5	17.2	18.4	25.0	18.6	25.5	16.5	25.0	21.3	
SE	.5	26.9	44.3	2.6	.0	.0		74.3	12.6	78.9	77.3	69.9	76.7	68.6	76.1	69.8	74.3	
S	.0	1.4	2.1	.0	.0	.0		3.5	11.7	3.4	3.9	3.8	3.3	3.4	3.5	5.2	2.8	
SW	.0	.0	.0	.0	.0	.0		.0	9.0	.0	.0	.0	.3	.0	.0	.0	.0	
W	.1	.0	.0	.0	.0	.0		.1	2.0	.0	.0	.0	.0	.0	.6	.0	.0	
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALF	.5	.0	.0	.0	.0	.0		.5	.0	.0	.4	1.3	.6	.6	.6	.6	.5	
TOT OBS	29	568	892	58	0	0	1547		12.5		265	243	78	181	345	155	62	218
TOT PCT	1.9	36.7	57.7	3.7	.0	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.3	.5	.2	.0	.0	.0	1.0	9.6	.3	.4	2.1	.9	.0
E	2.0	13.6	5.0	.1	.0	.0	20.6	12.5	17.8	20.6	22.7	22.1	.0
SE	5.3	51.6	17.4	.0	.0	.0	74.3	12.6	78.1	74.6	71.0	73.3	.0
S	.3	2.8	.4	.0	.0	.0	3.5	11.7	3.6	3.5	3.5	3.3	.0
SW	.0	*	.0	.0	.0	.0	*	9.0	.0	.2	.0	.0	.0
W	.1	.0	.0	.0	.0	.0	.1	2.0	.0	.0	.2	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.5	.0	.0	.0	.0	.0	.5	.0	.2	.8	.6	.4	.0
TOT OBS	132	1059	355	1	0	1547		12.5	508	259	500	280	
TOT PCT	8.5	68.5	22.9	.1	.0		100.0		100.0	100.0	100.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1853-1973

AREA 0022 ST. HELENA
15.4S 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

WIND SPEED (KNOTS)	0-3	4-10	11-21	22-33	34-47	48+	MEAN	PCT FREQ	TOTAL OBS
HOUR	CALM								
0000	.2	1.4	38.4	56.3	3.7	.0	.0	12.3	100.0
0600	.8	2.3	38.6	56.4	1.9	.0	.0	12.3	100.0
1200	.6	1.4	34.4	59.0	4.6	.0	.0	12.7	100.0
1800	.4	.7	36.1	58.9	3.9	.0	.0	12.6	100.0
TOT	7	22	568	892	58	0	0	12.5	1547
PCT	.5	1.4	36.7	57.7	3.7	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.1	.3		7.8
E	2.3	3.6	8.8	9.4		6.3
SE	10.9	10.4	21.9	28.0		5.8
S	.8	1.0	2.0	.0		4.8
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.3		8.0
TOT OBS	40	43	94	109	286	5.9
TOT PCT	14.0	15.0	32.9	38.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL
149	299	599	999	1999	3499	4999	6499	7999		OBS	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	4.0	8.5	2.2	1.6	.2	.0	.0	.0	7.7
.3	.1	1.4	11.5	18.9	8.7	3.0	.9	.0	.3	26.2	
.0	.3	.0	.3	.9	.3	.0	.0	.0	.0	2.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
1	1	4	46	82	32	13	3	0	1	103	286
.3	.3	1.4	16.1	28.7	11.2	4.5	1.0	.0	.3	36.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM) = OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	5.2	5.9	5.9	5.9	5.9	5.9	5.9	5.9
= OR >2000	15.0	16.8	16.8	16.8	16.8	16.8	16.8	16.8
= OR >1000	41.6	45.5	45.5	45.5	45.5	45.5	45.5	45.5
= OR >600	55.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5
= OR >300	57.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9
= OR >150	57.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3
= OR >0	58.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6
TOTAL	166	182	182	182	182	182	182	182

TOTAL NUMBER OF OBS: 286

PCT FREQ NH <5/8: 36.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
3.2	8.1	10.4	8.4	7.1	7.8	10.7	15.2	29.1	.0	309

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975AREA 0022 ST. HELENA
15.4S 9.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.0	.0	.5	.8	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.0	1.7	7.9	.0	.0	.0	.0	.0	.0	9.6	
	TOT %	.0	.0	2.2	8.6	.0	.0	.0	.0	.0	.0	10.8	
10+	PCP	.0	.0	.3	.9	.0	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.5	21.0	62.5	3.4	.0	.0	.0	.0	.3	87.7	
	TOT %	.0	.5	21.3	63.4	3.4	.0	.0	.0	.0	.3	88.9	
TOT OBS													324
TOT PCT		.0	.5	23.5	72.4	3.4	.0	.0	.0	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.0	1.4	3.9	.0	.0	.0	.0	.0	.0	5.3	
	11-21	.0	.0	1.1	4.2	.0	.0	.0	.0	.0	.0	5.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	2.5	8.4	.0	.0	.0	.0	.0	.0	10.9	
10+	0-3	.0	.0	.6	.9	.0	.0	.0	.0	.0	.3	1.8	
	4-10	.0	.4	9.0	27.7	1.2	.0	.0	.0	.0	.0	38.4	
	11-21	.0	.0	11.4	34.1	2.0	.0	.0	.0	.0	.0	47.5	
	22+	.0	.0	.3	.9	.0	.0	.0	.0	.0	.0	1.2	
	TOT %	.0	.4	21.3	63.6	3.2	.0	.0	.0	.0	.3	88.9	
TOT OBS													341
TOT PCT		.0	.4	23.8	72.2	3.2	.0	.0	.0	.0	.3	100.0	

DECEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1855-1975APEA 0022 ST. HELENA
15.45 5.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	2.7	9.6	21.9	6.8	4.1	.0	.0	1.4	46.6	53.4	73
06009	.0	1.4	.0	23.0	40.5	10.8	8.1	1.4	.0	.0	85.1	14.9	74
12015	1.1	.0	2.3	16.1	27.6	13.8	2.3	2.3	.0	.0	65.5	34.5	87
18021	.0	.0	.0	12.5	18.8	10.9	3.1	.0	.0	.0	45.3	54.7	64
TOT	1	1	4	46	82	32	13	3	0	1	183	115	298
PCT	.3	.3	1.3	15.4	27.5	10.7	4.4	1.0	.0	.3	61.4	38.6	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	10.7	89.3	84
06009	.0	.0	.0	1.2	16.3	82.6	86
12015	.0	.0	.0	.0	9.9	90.1	101
18021	.0	.0	.0	.0	5.6	94.4	71
TOT	0	0	0	1	37	304	342
PCT	.0	.0	.0	.3	10.8	88.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	2.9	13.2	36.8	50.0	68
06009	.0	1.4	24.7	61.6	13.7	73
12015	1.2	3.6	20.5	47.0	32.5	83
18021	.0	.0	12.9	33.9	53.2	62
TOT	1	6	52	130	104	286
PCT	.3	2.1	18.2	45.5	36.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.3	.3	.0	.0	.0	.0	2	.7
80/84	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
75/79	.0	.0	.0	1.0	3.1	5.4	2.0	.0	34	11.5
70/74	.0	.0	.0	2.0	13.2	24.4	14.2	5.4	173	59.3
65/69	.0	.0	.0	.0	2.0	8.1	12.9	4.7	82	27.8
60/64	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	1	10	35	112	86	31	295	100.0
PCT	.0	.0	.3	3.4	11.6	38.0	29.2	10.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	3.1	8.0	.5	.0	.0	.0	.0	.0
.0	.4	12.2	44.7	1.7	.0	.0	.0	.0	.3
.0	.1	7.6	19.3	.8	.0	.0	.0	.0	.0
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.5	23.2	73.0	3.0	.0	.0	.0	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	75	73	70	67	65	64	69.7	480
06009	86	76	74	70	67	66	65	70.3	243
12015	85	80	77	73	69	68	64	72.8	480
18021	85	79	75	71	67	66	66	70.9	271
TOT	86	79	76	71	67	66	64	71.0	1474

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	10.7	33.3	37.3	17.3	80	75		
06009	.0	2.8	19.4	36.1	30.6	11.1	78	72		
12015	.0	6.6	30.8	38.5	17.6	6.6	74	91		
18021	.0	3.4	10.3	44.8	34.5	6.9	78	58		
TOT	0	11	56	112	86	31	77	296		

DECEMBER

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1855-1975

AREA 0022 ST. HELENA
15.45 5.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	TOT	H FOG	HO FOG
14/16	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.3	.3	.3	2	.0	.7
9/10	.0	.0	.0	.0	.3	.0	.0	1	.0	.3
7/8	.0	.0	.0	.3	2.0	.0	.0	7	.0	2.3
6	.0	.0	.0	.7	.3	.0	.0	3	.0	1.0
5	.0	.0	.3	2.3	1.0	.0	.0	11	.0	3.7
4	.0	.0	1.0	2.3	1.7	.0	.0	15	.0	5.0
3	.0	.7	4.0	2.0	.0	.0	.0	20	.0	6.7
2	.0	.7	2.7	3.3	.0	.0	.0	20	.0	6.7
1	.0	.0	8.0	2.0	.0	.0	.0	30	.0	10.0
0	.0	1.3	18.0	2.0	.0	.0	.0	64	.0	21.3
-1	.0	1.7	14.0	2.3	.0	.0	.0	34	.0	18.0
-2	.0	3.0	7.7	.2	.0	.0	.0	32	.0	11.0
-3	.0	2.3	3.0	.7	.0	.0	.0	18	.0	6.0
-4	.0	1.7	2.0	.0	.0	.0	.0	11	.0	3.7
-5	.0	.7	1.7	.0	.0	.0	.0	7	.0	2.3
-6	.0	.0	.3	.0	.0	.0	.0	1	.0	.3
-9/-10	.0	.0	.3	.0	.0	.0	.0	1	.0	.3
-11/-13	.3	.0	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	1	36	189	55	16	1	2	300	0	300
PCT	.3	12.0	63.0	18.3	5.3	.3	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.7
1-2	.0	5.5	2.9	.0	.0	.0	8.4	1.4	14.4	6.8	.0	.0	.0	22.6
3-4	.0	1.9	6.2	.0	.0	.0	8.0	.0	8.6	21.2	.0	.0	.0	29.8
5-6	.0	.0	1.7	.0	.0	.0	1.7	.0	5.5	12.7	1.4	.0	.0	19.5
7	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	.9	.0	.0	.0	.9
8-9	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.4	12.7	.0	.0	.0	20.0	2.1	28.4	41.6	1.4	.0	.0	73.5

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

AREA 0022 ST. HELENA
15.4S 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	1.9	.5	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.5	2.1	.0	.0	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	2.6	.0	.0	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.0	.0	.0	.0	.0	.0	2.0	
1-2	1.4	22.4	10.2	.0	.0	.0	34.0	
3-4	.0	10.9	29.3	.0	.0	.0	40.1	
5-6	.0	5.4	14.3	1.4	.0	.0	21.1	
7	.0	.0	2.0	.0	.0	.0	2.0	
8-9	.0	.0	.7	.0	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.4	38.8	56.5	1.4	.0	.0	100.0	147

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	11.0	18.5	9.8	2.8	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	4
6-7	.0	2.0	8.3	13.8	7.5	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	5
8-9	.0	.0	1.2	8.3	2.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	5
10-11	.0	.0	.0	.8	.8	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	8
12-13	.0	.0	.0	.8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
>13	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	11
INDET	.4	1.2	.8	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	4
TOTAL	5	36	73	91	35	8	3	3	0	0	0	0	0	0	0	0	0	0	0	254	4
PCT	2.0	14.2	28.7	35.8	13.8	3.1	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

ANNUAL

AREA 0022 ST. HELENA
13.33 5.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	4.8	.0	.0	.0	.0	.0	.0	4.8	.0	.0	.0	.0	.0	.0	61.9
NE	.8	.0	.3	.0	.0	.0	.0	1.2	8.3	.0	.0	.0	.0	.0	90.5
E	1.0	1.6	1.4	.0	.0	.0	.0	3.9	2.0	.1	.0	.0	.0	.0	94.1
SE	.6	1.8	.8	.0	.0	.0	.0	3.1	2.4	*	*	.0	.1	.0	94.4
S	.4	1.3	1.6	.0	.0	.0	.0	3.3	.8	.0	1.0	.0	.0	.0	94.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	41.7
NW	.0	.0	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	1.4	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	90.3
TOT PCT	.6	1.8	1.0	.0	.0	.0	.0	3.3	2.1	*	.1	.0	.1	.0	94.4
TOT OBS:	4255														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	.7	1.4	1.0	.0	.0	.0	.0	3.0	1.7	.0	.3	.0	.1	.0	94.8
06009	.7	2.2	1.7	.0	.0	.0	.0	4.5	3.4	.0	.0	.0	.1	.0	92.0
12015	.7	1.6	.6	.0	.0	.0	.0	2.9	1.5	.0	.1	.0	.0	.0	95.5
18021	.4	1.8	.7	.0	.0	.0	.0	2.9	1.8	.1	.1	.0	.0	.0	95.2
TOT PCT	.6	1.8	1.0	.0	.0	.0	.0	3.3	2.1	*	.1	.0	.1	.0	94.4
TOT OBS:	4291														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	*	.1	*	.0	.0	.0		.2	6.2	.3	.1	.2	.2	.2	.2	.3	.1
NE	.1	.9	.4	*	.0	.0		1.5	9.5	1.4	1.4	.6	1.7	1.8	1.9	.9	1.5
E	.4	7.3	11.8	1.5	*	.0		21.0	13.1	20.7	17.6	22.0	19.2	23.4	21.3	25.5	18.8
SE	1.1	22.6	41.1	4.8	.2	.0		69.8	13.3	70.3	71.8	71.3	70.9	67.8	68.7	68.0	71.3
S	.4	2.6	2.6	.2	*	.0		5.8	11.0	5.8	7.3	3.6	6.7	5.3	6.1	3.8	6.5
SW	.1	.4	.1	.0	.0	.0		.7	7.9	.6	.8	.6	.7	.6	.8	.4	.9
W	.1	.1	*	.0	.0	.0		.2	3.8	.2	.2	.1	.2	.2	.4	.2	.2
NW	*	.1	*	.0	.0	.0		.1	5.4	.1	.1	.3	.1	.1	.1	.2	.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.6							.6	.0	.6	.7	1.3	.4	.6	.4	.8	.5
TOT OBS							16368		12.9	2788	2248	942	1711	4216	1426	958	2079
TOT PCT	3.0	34.1	56.1	6.5	.3	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	.1	.1	*	.0	.0		.2	6.2	.2	.2	.2	.2	
NE	.6	.8	.2	*	.0		1.5	9.5	1.4	1.3	1.8	1.3	
E	2.2	12.8	5.7	.3	*		21.0	13.1	19.4	20.3	22.8	21.0	
SE	6.5	43.0	19.6	.7	*		69.8	13.3	71.0	70.9	68.0	70.3	
S	1.3	3.6	.9	*	.0		5.8	11.0	6.4	5.5	5.6	5.6	
SW	.4	.3	*	.0	.0		.7	7.9	.7	.7	.6	.8	
W	.2	*	*	.0	.0		.2	3.8	.2	.2	.3	.2	
NW	.1	*	*	.0	.0		.1	5.4	.1	.1	.1	.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.6						.6	.0	.6	.8	.6	.6	
TOT OBS						16368		12.9	5036	2653	5642	3037	
TOT PCT	11.9	60.6	26.4	1.0	.1		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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15.2S 5.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.6	2.6	34.1	55.2	7.0	.3	.0	12.9	100.0	3036
06009	.8	2.3	34.7	56.0	6.0	.1	.0	12.8	100.0	2653
12015	.6	2.2	33.4	57.0	6.5	.3	.0	13.0	100.0	5642
18021	.6	2.6	34.8	55.8	6.0	.2	.0	12.9	100.0	3037
TOT								12.9		16368
PCT	.6	2.4	34.1	56.1	6.5	.3	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.1	*	*	.1		2.2
NE	.2	.2	.3	.2		3.0
E	3.6	4.2	9.2	7.8		5.6
SE	10.4	12.1	23.8	22.4		5.6
S	.9	.7	1.3	.9		5.0
SW	.1	.1	.1	.1		3.0
W	*	.0	*	*		1.8
NW	.1	*	*	.1		2.3
VAR	.0	.0	.0	.0		.0
CALM	.3	.2	.2	.2		4.0
TOT OBS					3699	5.5
TOT PCT	15.7	17.6	35.0	31.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	*	.1	.0	.0	*	.0	.0	.2	
NE	.0	.0	.0	.1	.2	*	*	*	.0	.0	.6	
E	.1	.1	.3	3.7	6.7	2.6	.7	.2	.0	.1	10.2	
SE	.2	.1	1.1	9.6	18.7	7.7	2.6	.3	.2	.2	28.0	
S	.0	*	*	.5	.8	.6	.1	*	*	.0	1.8	
SW	.0	.0	.0	*	.1	*	.1	.0	.0	.0	.2	
W	.0	.0	.0	.0	*	*	.0	.0	.0	.0	*	
NW	.0	.0	.0	*	*	*	.0	.0	.0	.0	.1	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.2	.1	.0	.0	.0	*	.5	
TOT OBS											3699	
TOT PCT	.3	.3	1.4	14.0	26.7	11.0	3.5	.6	.2	.3	41.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.5	.5	.5	.5	.5	.5	.5	.5
= OR >4000	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >3500	4.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6
= OR >2000	14.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6
= OR >1000	39.7	42.0	42.2	42.2	42.2	42.2	42.2	42.2
= OR >600	52.3	56.0	56.2	56.2	56.2	56.2	56.2	56.2
= OR >300	53.7	57.4	57.6	57.6	57.6	57.6	57.6	57.6
= OR >150	53.8	57.7	57.9	57.9	57.9	57.9	57.9	57.9
= OR > 0	54.1	57.9	58.2	58.2	58.2	58.2	58.2	58.2

TOTAL NUMBER OF OBS: 3715

PCT FREQ NH <5/8: 41.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.6	8.5	11.3	11.0	8.8	7.7	9.5	14.9	25.8	*	3907

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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13.35 5.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	*	.1	*	.0	.0	.0	.0	*	.1	.1
	NO PCP	.0	.0	.0	*	.1	.0	.0	.0	.0	.0	.1	.1
	TOT %	.0	.0	*	.1	.1	.0	.0	.0	.0	*	.2	.2
1<2	PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
2<5	PCP	.0	.0	*	.1	.0	.0	.0	.0	.0	.0	.2	.2
	NO PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.5	.5
5<10	PCP	.0	.0	.3	.9	.1	.0	.0	.0	.0	.0	1.3	1.3
	NO PCP	*	.1	1.5	5.1	.6	.2	.0	*	.0	.1	7.5	7.5
	TOT %	*	.1	1.7	6.0	.7	.2	.0	*	.0	.1	8.8	8.8
10+	PCP	*	*	.6	1.0	.1	.0	.0	.0	.0	.0	1.7	1.7
	NO PCP	.2	.9	21.8	61.0	3.4	.4	.2	.2	.0	.7	88.8	88.8
	TOT %	.2	.9	22.4	62.0	3.5	.4	.2	.2	.0	.7	90.5	90.5
TOT OBS		4251											
TOT PCT		.3	.9	24.3	68.5	4.3	.6	.2	.2	.0	.8	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
	TOT %	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
1/2<1	0-3	.0	.0	.0	.1	*	.0	.0	.0	.0	*	.1	.1
	4-10	.0	.0	*	*	*	.0	.0	.0	.0	.0	.1	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.1	.1	.0	.0	.0	.0	*	.2	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	*
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.2
	11-21	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2	.2
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
	TOT %	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.4	.4
5<10	0-3	*	*	.1	.4	.2	.1	.0	.0	.0	.1	.8	.8
	4-10	*	*	.5	1.7	.4	.1	.0	*	.0	.0	2.7	2.7
	11-21	.0	.0	1.1	3.2	.1	*	.0	.0	.0	.0	4.3	4.3
	22+	.0	.0	.1	.6	*	.0	.0	.0	.0	.0	.7	.7
	TOT %	*	*	1.8	5.9	.7	.2	.0	*	.0	.1	8.7	8.7
10+	0-3	.1	*	.5	1.2	.4	.1	.1	*	.0	.8	3.2	3.2
	4-10	.1	.6	9.2	22.5	1.7	.3	.1	.1	.0	.0	34.6	34.6
	11-21	*	.1	11.8	35.5	1.3	*	.0	*	.0	.0	48.9	48.9
	22+	.0	.0	.9	2.9	.1	.0	.0	.0	.0	.0	3.9	3.9
	TOT %	.2	.8	22.4	62.1	3.5	.4	.2	.2	.0	.8	90.7	90.7
TOT OBS		4514											
TOT PCT		.2	.9	24.3	68.5	4.3	.6	.2	.2	.0	.9	100.0	

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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15.35 5.24

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 289	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.2	.4	1.7	14.1	23.0	8.9	2.9	.3	.3	.2	52.0	48.0	984
06009	.4	.3	2.3	16.6	32.9	11.9	4.5	1.2	.2	.4	70.8	29.2	904
12015	.2	.3	.8	12.5	26.8	11.8	3.7	.7	.2	.5	57.4	42.6	936
18021	.4	.0	.8	11.6	21.8	10.7	2.9	.2	.1	.1	48.7	51.3	961
TOT PCT	.3	.3	1.4	13.7	26.0	10.8	3.4	.6	.2	.3	57.0	43.0	3805 100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.4	.0	.3	10.3	88.9	1224
06009	.0	.1	.0	.4	10.0	89.5	1074
12015	.1	.2	.0	.3	8.0	91.4	1175
18021	.0	.2	.2	.6	6.7	92.3	1077
TOT PCT	.1	.2	.0	.4	8.8	90.5	4550 100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.5	2.4	17.2	35.9	46.9	963
06009	.4	3.1	20.2	31.8	28.0	888
12015	.3	1.5	14.6	44.5	40.9	928
18021	.4	1.3	13.2	36.7	50.0	936
TOT PCT	.4	2.0	16.3	42.0	41.6	3715 100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.1	.1	.0	.0	.0	.0	.1	.1
85/89	.0	.0	.1	.1	.2	.1	.0	.0	.5	.5
80/84	.0	.0	.4	1.4	.8	.1	.1	.1	2.7	2.7
75/79	.0	.0	1.1	1.2	4.4	9.9	3.6	1.0	20.1	20.1
70/74	.0	.0	.1	1.2	10.0	16.5	9.8	3.4	40.9	40.9
65/69	.0	.0	.0	.6	4.6	13.0	11.8	3.6	33.6	33.6
60/64	.0	.0	.0	.1	.1	.5	.7	.7	2.0	2.0
TOTAL PCT	.0	.0	.2	3.6	20.4	40.8	26.0	8.8	3755	100.0

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
.0	.0	.9	1.7	.1	.0	.0	.0	.0	.1
.6	.3	4.5	14.0	.9	.1	.0	.1	.0	.2
.2	.3	9.9	28.1	1.7	.2	.1	.1	.0	.4
.1	.3	8.7	22.5	1.5	.2	.0	.0	.0	.2
.0	.0	.4	1.4	.1	.0	.0	.0	.0	.0
.3	.9	24.5	68.2	4.3	.6	.1	.2	.0	.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	81	75	73	70	67	65	58	70.5	4774
06009	86	76	74	70	67	66	61	70.8	2559
12015	94	81	78	73	69	67	62	73.2	5462
18021	93	78	75	71	68	66	61	71.5	2927
TOT	94	79	76	71	68	66	58	71.7	15722

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.9	11.2	41.5	33.9	11.5	78	1012		
06009	.0	2.5	16.6	36.7	32.0	12.2	78	916		
12015	.0	7.6	34.2	38.3	15.0	4.9	72	950		
18021	.0	3.0	21.5	45.8	23.1	6.6	75	905		
TOT	0	143	791	1530	985	334	76	3783		

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PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

TABLE 17

AREA 0022 ST. HELENA
15.35 5.2WPCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	61 64	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	WD FOG
20/22	.0	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	.0	.0	.0	.0	*	2	.0	.1
14/16	.0	.0	.0	.0	.0	*	*	*	.0	3	.0	.1
11/13	.0	.0	.0	.0	.1	.1	.2	.1	.0	17	.0	.4
9/10	.0	.0	*	.1	.2	.2	.1	.0	.0	24	.0	.6
7/8	.0	*	.1	.7	.3	.6	.1	.0	.0	71	.0	1.9
6	.0	.0	.1	.4	.4	.2	.0	.0	.0	45	.0	1.2
5	.0	.1	.2	.6	.7	.4	.0	.0	.0	79	.0	2.1
4	*	.1	.8	1.0	.9	.2	.0	.0	.0	115	.0	3.0
3	.0	.2	1.2	1.3	1.0	.1	.0	.0	.0	147	.0	3.8
2	*	.8	2.3	1.7	1.2	*	.0	.0	.0	240	.0	6.1
1	*	1.4	3.3	2.8	1.5	*	.0	.0	.0	351	*	9.0
0	.1	3.7	5.3	5.7	1.3	.1	.0	.0	.0	629	.0	16.2
-1	.1	4.7	5.2	5.4	.6	.0	.0	.0	.0	619	*	15.9
-2	.2	5.5	4.7	3.7	.3	.0	.0	.0	.0	571	*	14.4
-3	.3	3.5	3.7	2.6	*	.0	.0	.0	.0	401	.0	10.1
-4	.3	2.8	2.6	1.4	.1	.0	.0	.0	.0	286	.0	7.2
-5	.3	1.5	1.2	.7	.1	.0	.0	.0	.0	148	.0	3.7
-6	.3	.9	.7	.3	.0	.0	.0	.0	.0	87	.0	2.2
-7/-8	.4	.5	.3	.2	.0	.0	.0	.0	.0	56	.0	1.4
-9/-10	.1	.1	.2	.1	.0	.0	.0	.0	.0	18	.0	.5
-11/-13	*	*	.0	*	.0	.0	.0	.0	.0	4	.0	.1
-14/-16	*	.0	*	.0	.0	.0	.0	.0	.0	2	.0	*
TOTAL										3916		
PCT	2.1	25.8	32.0	28.8	8.8	1.8	.5	.1	.1	100.0	.1	99.9

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.1	.0	.0	.0	.0	.0	.1	*	.2	.0	.0	.0	.0	.3
1-2	.0	.1	.0	.0	.0	.0	.1	.0	.5	*	.0	.0	.0	.5
3-4	.0	.1	.0	.0	.0	.0	.1	.0	.1	.1	.0	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	*
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	.1	.0	.0	.0	.0	.2	*	.8	.1	.0	.0	.0	1.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.3	.8	.1	.0	.0	.0	1.2	.5	1.4	.1	.0	.0	.0	2.0
1-2	.1	5.1	2.1	.0	.0	.0	7.3	.7	9.4	4.2	.0	.0	.0	14.3
3-4	.0	3.6	6.1	.3	.0	.0	9.9	.1	7.8	16.2	.4	.0	.0	24.4
5-6	.0	.3	4.1	.2	.0	.0	4.7	*	1.7	14.8	1.1	.1	.0	17.8
7	.0	.1	1.4	.3	.0	.0	1.9	.0	.2	4.5	1.4	*	.0	6.2
8-9	.0	.1	.4	.2	.0	.0	.7	.0	.1	1.1	.9	.0	.0	2.1
10-11	.0	.0	.1	.0	.0	.0	.1	.0	.0	.6	.2	.1	.0	.9
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.1
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	*	.1	.0	.0	.1
17-19	.0	*	*	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	*
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	10.0	14.4	1.0	.0	.0	25.9	1.3	20.7	41.6	4.3	.2	.0	68.0

PERIOD: (OVER-ALL) 1963-1976

ANNUAL

AREA 0022 ST. HELENA
15.35 5.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.1	.2	.0	.0	.0	.0		.2	.0	.0	.0	.0	.0	.0		.0
1-2	.2	1.1	.1	.0	.0	.0		1.4	.1	.1	.1	.0	.0	.0		.3
3-4	.0	.4	.5	.0	.0	.0		.9	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.1	.5	.0	.0	.0		.6	.0	.0	.0	.0	.0	.0		.0
7	.0	.1	.2	.1	.0	.0		.3	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.4	1.8	1.2	.1	.0	.0		3.4	.1	.2	.1	.0	.0	.0		.3

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.1	.0	.0	.0		.1	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.1	.0	.0	.0	.0		.1	.0	.1	.1	.0	.0	.0		.2	99.1

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.0	2.5	.2	.0	.0	.0	4.7	
1-2	1.2	16.4	6.5	.0	.0	.0	24.0	
3-4	.2	12.0	22.8	.6	.0	.0	35.6	
5-6	.0	2.2	19.4	1.4	.1	.0	23.1	
7	.0	.5	6.1	1.8	.0	.0	8.4	
8-9	.0	.2	1.5	1.1	.0	.0	2.8	
10-11	.0	.0	.7	.2	.1	.0	1.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.1	.0	.0	.1	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.5	33.8	57.3	5.3	.2	.0	100.0	1881

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.4	8.3	17.5	7.8	2.5	1.0	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1276	4
6-7	.1	1.0	7.9	13.3	8.3	2.5	1.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1079	5
8-9	.0	.3	1.5	4.7	4.2	2.3	1.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	495	7
10-11	.0	.5	.4	1.3	.9	1.1	.7	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	182	7
12-13	.0	.0	.7	.7	.6	.4	.3	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	94	7
>13	.0	.0	.0	.5	.6	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	9
INDET	.7	.6	.8	1.0	.5	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	122	4
TOTAL																				3295	5
PCT	2.1	10.7	28.9	29.3	15.6	7.4	3.6	1.3	.8	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	100.0	

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
85/86	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	2	.0
83/84	.1	.0	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	6	.0
81/82	.0	.2	.7	1.1	.4	.4	.0	.0	.2	.0	.0	.0	38	.3
79/80	.4	1.4	3.3	3.1	1.5	.4	.2	.0	.1	.0	.1	.1	135	1.0
77/78	3.5	15.4	25.5	14.4	4.6	.5	.1	.1	.8	.2	.1	.3	847	6.0
75/76	11.3	34.9	45.3	42.7	18.9	6.6	1.1	.6	.6	.5	.6	1.6	2108	14.9
73/74	35.4	37.7	21.4	30.8	45.8	30.9	5.9	2.4	1.5	1.4	2.4	7.6	2833	20.1
71/72	33.4	8.6	3.1	6.8	25.1	38.4	29.5	11.6	4.7	5.9	13.1	32.2	2564	18.1
69/70	13.2	1.7	.4	.8	3.2	17.9	39.7	35.0	22.6	23.9	35.2	36.7	2563	18.1
67/68	1.7	.1	.1	.1	.1	4.5	19.8	39.0	44.3	46.0	38.7	18.3	2239	15.8
65/66	.1	.0	.1	.0	.0	.4	3.3	9.5	22.2	18.5	8.0	2.6	658	4.7
63/64	.0	.0	.0	.0	.2	.0	.4	1.6	2.4	3.6	.9	.0	105	.7
61/62	.1	.0	.0	.0	.0	.0	.0	.1	.6	.1	.8	.3	21	.1
59/60	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.4	9	.1
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	1390	1262	1371	1178	1357	1128	1075	952	908	1062	1169	1276	14128	100.0
MEAN	72.4	74.6	75.5	75.0	73.5	71.9	69.8	68.6	67.8	67.8	68.7	70.0	71.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1016	1014	1015	1017	1016	1015	1014	1016	1015	380
FEB	1015	1014	1014	1016	1015	1014	1013	1015	1015	374
MAR	1015	1014	1014	1015	1015	1012	1014	1014	1015	493
APR	1016	1016	1015	1016	1016	1015	1015	1016	1016	408
MAY	1017	1015	1016	1017	1018	1015	1016	1016	1017	493
JUN	1019	1018	1018	1020	1020	1017	1019	1018	1019	469
JUL	1020	1019	1019	1020	1021	1020	1019	1020	1020	488
AUG	1020	1020	1020	1021	1020	1019	1019	1021	1020	476
SEP	1019	1018	1018	1019	1019	1017	1018	1019	1019	459
OCT	1019	1018	1017	1019	1018	1016	1017	1018	1018	429
NOV	1017	1016	1017	1018	1018	1016	1016	1017	1017	401
DEC	1016	1016	1016	1017	1017	1015	1015	1015	1016	381
ANN	1017	1017	1017	1018	1018	1016	1016	1017	1017	5251
OBS	1153	143	939	157	1616	140	950	153		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1010	1011	1012	1014	1015	1017	1018	1020	1022
FEB	1009	1010	1011	1013	1015	1016	1018	1019	1020
MAR	1007	1010	1011	1013	1015	1016	1017	1020	1022
APR	1010	1012	1013	1015	1016	1017	1019	1021	1026
MAY	1007	1011	1014	1016	1017	1018	1020	1021	1027
JUN	1007	1014	1016	1018	1019	1020	1023	1024	1026
JUL	1012	1016	1017	1019	1020	1021	1023	1024	1026
AUG	1014	1015	1017	1019	1020	1021	1023	1024	1025
SEP	1010	1010	1016	1018	1019	1020	1022	1023	1024
OCT	1009	1011	1014	1017	1018	1019	1021	1022	1023
NOV	1010	1012	1014	1016	1017	1018	1020	1022	1022
DEC	1010	1012	1013	1015	1016	1017	1019	1020	1021

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

JANUARY

AREA 0023 ASCENSION
7.25 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	98.9
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	99.2
TOT OBS:	248														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THOR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	98.4
06009	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	.0	.0	98.4
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	99.2
TOT OBS:	251														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0		.1	5.0	.0	.0	.0	.0	.0	.0	.3	.0	
NE	.1	.2	.0	.0	.0	.0		.2	4.1	.8	.0	.4	.0	.0	.0	.1	.0	
E	.1	3.1	4.9	.1	.0	.0		8.2	12.3	7.9	.0	8.3	5.7	12.6	.0	6.5	5.0	
SE	.2	26.3	55.3	1.9	.0	.0		83.8	12.9	83.2	.0	83.8	87.7	81.0	.0	83.5	86.0	
S	.2	3.2	3.8	.1	.0	.0		7.3	11.4	6.9	.0	7.2	6.6	6.2	.0	9.0	8.8	
SW	.0	.0	.0	.0	.0	.0		.1	10.2	.0	.0	.0	.0	.1	.0	.1	.1	
W	.0	.2	.0	.0	.0	.0		.2	6.3	.4	.0	.4	.0	.0	.0	.3	.0	
NW	.0	.0	.0	.0	.0	.0		.0	5.0	.0	.0	.0	.0	.0	.0	.1	.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1							.1	.0	.8	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	11	482	933	32	0	0	1458		12.7	244	0	272	159	348	0	217	218	
TOT PCT	.8	33.1	64.0	2.2	.0	.0	100.0			100.0	.0	100.0	100.0	100.0	.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-6	7-16	17-27	28-40	41+						00	06	12	18	03	09	15	21
N	.1	.0	.0	.0	.0			.1	5.0	.0	.0	.0	.0	.2				
NE	.2	.0	.0	.0	.0			.2	4.1	.8	.0	.2	.0	.1				
E	.9	5.7	1.6	.0	.0			8.2	12.3	7.9	7.3	12.6	5.7					
SE	4.1	59.5	20.0	.1	.0			83.8	12.9	83.2	85.3	81.0	84.8					
S	1.2	4.8	1.4	.0	.0			7.3	11.4	6.9	7.0	6.2	8.9					
SW	.0	.1	.0	.0	.0			.1	10.2	.0	.0	.0	.1	.1				
W	.1	.1	.0	.0	.0			.2	6.3	.4	.2	.0	.2	.2				
NW	.0	.0	.0	.0	.0			.0	5.0	.0	.0	.0	.0	.1				
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0	.0				
CALM	.1							.1	.0	.8	.0	.0	.0	.0				
TOT OBS	99	1022	336	1	0	1458			12.7	244	431	348	435					
TOT PCT	6.8	70.1	23.0	.1	.0	100.0				100.0	100.0	100.0	100.0					

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.8	.8	34.0	60.7	3.7	.0	.0	12.6	100.0	244
06009	.0	1.6	31.3	64.7	7.3	.0	.0	12.6	100.0	431
12015	.0	.0	37.4	61.5	1.1	.0	.0	12.3	100.0	348
18021	.0	.0	30.8	67.1	2.1	.0	.0	13.1	100.0	425
TOT	2	9	482	933	32	0	0	12.7		1458
PCT	.1	.6	33.1	64.0	2.2	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		4.0
NE	.0	.0	.6	.0		4.2
E	5.4	6.8	3.0	2.0		3.6
SE	26.0	21.0	17.3	9.3		3.9
S	2.5	.0	1.7	.7		3.5
SW	.1	.0	.0	.0		2.0
W	.3	.4	.4	.0		3.8
NW	.0	.1	.0	.0		4.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.4	.0	.0		2.0
TOT OBS	79	69	52	27	227	3.8
TOT PCT	34.8	30.4	22.9	11.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.9	
.0	.0	.3	2.4	.8	.0	.3	.0	.0	.0	13.3	
.0	.0	1.9	3.0	9.3	3.5	.6	.4	.0	.0	55.0	
.0	.0	.0	.7	1.0	.0	.0	.0	.0	.0	4.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
.0	.0	.5	14	25	8	2	1	0	0	172	227
.0	.0	2.2	6.2	11.0	3.5	.9	.4	.0	.0	75.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.0	.0	.0	.0	.0	.0	.0	.0
>4000	.4	.4	.4	.4	.4	.4	.4	.4
>3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
>2000	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
>1000	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
>600	21.6	22.0	22.0	22.0	22.0	22.0	22.0	22.0
>300	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2
>150	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2
>0	23.8	24.2	24.2	24.2	24.2	24.2	24.2	24.2
TOTAL	54	55	55	55	55	55	55	55

TOTAL NUMBER OF OBS: 227

PCT FREQ NH <5/8: 75.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.7	18.9	18.5	18.9	12.2	4.6	6.3	5.0	8.8	.0	238

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	1.2	
	TOT %	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	1.2	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.3	.4	.0	.0	.0	.0	.0	.4	1.2	
	TOT %	.0	.1	.3	.4	.0	.0	.0	.0	.0	.4	1.2	
10+	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.3	.8	16.3	73.2	5.5	.2	.7	.1	.0	.4	97.6	
	TOT %	.3	.8	16.3	73.2	5.5	.2	.7	.1	.0	.4	97.6	
TOT OBS													
TOT PCT		.3	1.3	16.6	74.0	5.5	.2	1.1	.1	.0	.8	100.0	248

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	1.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.4	.0	.4	.0	.0	.4	.0	.0	.0	1.2	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	
	4-10	.0	.1	.3	.4	.0	.0	.0	.0	.0	.0	.7	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.3	.4	.0	.0	.0	.0	.0	.4	1.1	
10+	0-3	.0	.4	.4	.4	.0	.0	.0	.0	.0	.4	1.5	
	4-10	.3	.4	8.0	34.6	3.1	.2	.6	.1	.0	.0	47.3	
	11-21	.0	.0	6.9	38.4	2.7	.0	.0	.0	.0	.0	48.0	
	22+	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	.3	.7	15.2	74.5	5.9	.2	.6	.1	.0	.4	97.8	
TOT OBS													
TOT PCT		.3	1.2	15.5	75.2	5.9	.2	1.0	.1	.0	.7	100.0	273

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	8.3	8.3	1.7	.0	.0	.0	.0	18.3	81.7	60
06009	.0	.0	7.0	7.0	19.3	3.5	1.8	.0	.0	.0	38.6	61.4	57
12015	.0	.0	1.4	5.7	10.0	5.7	1.4	1.4	.0	.0	25.7	74.3	70
18021	.0	.0	.0	2.1	4.3	2.1	.0	.0	.0	.0	8.5	91.5	47
TOT	0	0	5	14	25	8	2	1	0	0	55	179	234
PCT	.0	.0	2.1	6.0	10.7	3.4	.9	.4	.0	.0	23.5	76.5	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	1.5	1.5	97.1	68
06009	.0	.0	.0	1.4	1.4	97.2	71
12015	.0	.0	.0	.0	.0	100.0	78
18021	.0	.0	.0	1.7	1.7	96.6	59
TOT	0	0	0	3	3	270	276
PCT	.0	.0	.0	1.1	1.1	97.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <500D	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	8.5	10.2	81.4	59
06009	.0	7.1	16.1	25.0	58.9	56
12015	.0	1.5	7.4	19.1	73.5	68
18021	.0	.0	2.3	6.8	90.9	44
TOT	0	5	20	36	171	227
PCT	.0	2.2	8.8	15.9	75.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.7	1.3	.0	.0	7	3.0
80/84	.0	.0	.0	.4	3.4	8.2	3.4	.9	38	16.4
75/79	.0	.0	.0	.0	3.4	38.4	25.9	4.7	168	72.4
70/74	.0	.0	.0	.0	.4	.4	4.3	3.0	19	8.2
TOTAL	0	0	0	1	21	112	78	20	232	100.0
PCT	.0	.0	.0	.4	9.1	48.3	33.6	8.6		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	1.1	1.2	.8	.0	.0	.0	.0	.0
.3	.5	3.1	10.5	1.4	.0	.4	.1	.0	.0
.0	.9	11.1	55.3	3.8	.2	.8	.0	.0	.4
.0	.0	.9	6.6	.3	.0	.0	.0	.0	.4
.3	1.4	16.2	73.5	6.3	.2	1.2	.1	.0	.9

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	79	76	74	70	70	76.2	229
06009	84	82	80	76	73	71	70	76.3	410
12015	89	87	84	79	76	73	73	79.6	340
18021	89	85	82	78	74	72	70	77.9	415
TOT	89	85	82	77	74	72	70	77.6	1394

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	43.0	43.3	11.7	81	60
06009	.0	.0	5.1	44.1	37.3	13.6	81	59
12015	.0	1.5	19.4	52.2	23.9	3.0	75	67
18021	.0	.0	10.6	53.2	29.8	6.4	77	47
TOT	0	1	21	113	78	20	79	233

JANUARY

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1853-1976

TABLE 17

AREA 0023 ASCENSION
7.25 14.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	TOT	% FOG	% PDG
11/13	.0	.0	.0	.0	.9	.4	3	.0	1.3
9/10	.0	.0	.0	.0	.4	.0	1	.0	.4
7/8	.0	.0	.0	.9	.9	.0	4	.0	1.8
6	.0	.0	.0	.9	.4	.0	3	.0	1.3
5	.0	.0	.4	.9	.0	.0	3	.0	1.3
4	.0	.0	.9	2.2	.0	.0	7	.0	3.1
3	.0	.0	4.4	2.2	.0	.0	15	.0	6.6
2	.0	.4	3.5	2.2	.0	.0	14	.0	6.2
1	.0	.4	9.3	.9	.0	.0	24	.0	10.6
0	.0	3.1	9.7	.4	.0	.0	30	.0	13.3
-1	.0	6.2	10.6	.4	.0	.0	39	.0	17.3
-2	.0	5.8	9.3	.4	.0	.0	35	.0	15.5
-3	.0	4.9	2.7	.0	.0	.0	17	.0	7.5
-4	.0	3.1	2.2	.0	.0	.0	12	.0	5.3
-5	.0	3.5	.4	.0	.0	.0	9	.0	4.0
-6	.0	2.2	.4	.0	.0	.0	6	.0	2.7
-7/-8	.4	1.3	.0	.0	.0	.0	4	.0	1.8
TOTAL	1		122		6		226	0	226
PCT	.4	31.0	54.0	11.5	2.7	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	1.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.9	5.9	.9	.0	.0	.0	7.6	.0	22.0	2.8	.0	.0	.0	25.7
3-4	.0	3.7	4.3	.0	.0	.0	8.0	.0	14.6	25.2	.0	.0	.0	39.8
5-6	.0	.0	2.2	.0	.0	.0	2.2	.0	.9	6.5	.0	.0	.0	7.4
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	1.7	.0	.0	1.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	9.6	8.3	.0	.0	.0	18.7	.9	37.4	34.6	1.7	.0	.0	74.6

PERIOD: (OVER-ALL) 1963-1976

JANUARY

AREA 0023 ASCENSION
7.23 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	1.3	.0	.0	.0	2.2	.0	.0	.2	.0	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.9	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	2.4	.0	.0	.0	3.0	.0	.0	.2	.0	.0	.0	.0	.0	.2

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.4	.0	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	.0
1-2	1.7	32.2	5.2	.0	.0	.0	39.1	.0
3-4	.0	18.3	29.6	.0	.0	.0	47.8	.0
5-6	.0	.9	9.6	.0	.0	.0	10.4	.0
7	.0	.0	.9	1.7	.0	.0	2.6	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.7	51.3	45.2	1.7	.0	.0	100.0	115

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.5	12.9	32.7	12.9	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	127	3
6-7	.0	.5	6.4	9.4	2.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	5
8-9	.0	1.0	3.0	.5	1.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13	4
10-11	.0	.5	3.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	3
12-13	.0	.0	2.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	5
>13	.0	.0	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	9
INDFT	.5	1.0	.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
TOTAL	4	32	96	48	18	2	1	1	0	0	0	0	0	0	0	0	0	0	0	202	4
PCT	2.0	15.8	47.5	23.8	8.9	1.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

 PERIOD: (PRIMARY) 1864-1976
 (OVER-ALL) 1855-1976

 APEA 0023 ASCENSION
 7.25 14.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0 97.7
SE	.0	.8	.0	.0	.0	.0	.0	.8	1.1	.0	.0	.0	.0	.0 98.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 .0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0 100.0
TOT PCT	.0	.6	.0	.0	.0	.0	.0	.6	1.2	.0	.0	.0	.0	.0 98.2
TOT OBS:	336													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
00003	.0	2.8	.0	.0	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0 97.2
06009	.0	.0	.0	.0	.0	.0	.0	.0	2.2	.0	.0	.0	.0	.0 97.8
12015	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0 98.8
18021	.0	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0 98.9
TOT PCT	.0	.6	.0	.0	.0	.0	.0	.6	1.2	.0	.0	.0	.0	.0 98.2
TOT OBS:	338													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18
N	.0	.1	.1	.1	.0	.0		.1	16.0	.0	.0	.3	.0	.1	.0	.3	.0
NE	.0	.1	.1	.1	.0	.0		.2	13.6	.0	.0	.1	.6	.3	.0	.0	.0
E	.2	5.0	9.7	.1	.0	.0		11.0	11.0	12.3	50.0	12.8	11.3	10.4	.0	10.5	8.6
SE	.9	32.5	44.5	1.5	.0	.0		79.4	12.0	78.6	50.0	76.0	77.7	81.4	100.0	79.8	82.2
S	.4	3.4	4.7	.1	.0	.0		8.6	11.5	8.7	.0	8.9	9.8	7.1	.0	8.8	9.3
SW	.0	.1	.0	.0	.0	.0		.1	5.0	.0	.0	.0	.0	.3	.0	.0	.0
W	.0	.1	.0	.0	.0	.0		.1	10.0	.0	.0	.3	.0	.0	.0	.0	.0
NW	.0	.2	.0	.0	.0	.0		.2	10.0	.0	.0	.1	.6	.4	.0	.1	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.4							.4	.0	.4	.0	1.5	.0	.0	.0	.4	.0
TOT OBS	28	607	806	25	0	0	1466		11.8		232	2	267	164	342	2	230
TOT PCT	1.9	41.4	53.0	1.7	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	.0	.1	.1	.0	.0	.0		.1	16.0	.0	.2	.1	.2
NE	.0	.1	.1	.0	.0	.0		.2	13.6	.0	.3	.3	.0
E	1.8	8.2	1.1	.0	.0	.0		11.0	11.0	12.6	12.2	10.3	9.6
SE	7.3	57.1	14.9	.1	.0	.0		79.4	12.0	78.3	76.7	81.5	81.0
S	1.0	6.1	1.5	.0	.0	.0		8.6	11.5	8.7	9.2	7.0	9.0
SW	.1	.0	.0	.0	.0	.0		.1	5.0	.0	.0	.3	.0
W	.0	.1	.0	.0	.0	.0		.1	10.0	.0	.2	.0	.0
NW	.0	.2	.0	.0	.0	.0		.2	10.0	.0	.3	.4	.1
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.4					.4		.0		.4	.9	.0	.0
TOT OBS	134	1053	257	2	0	1466		11.8		234	431	344	437
TOT PCT	10.3	71.8	17.5	.1	.0		100.0			100.0	100.0	100.0	100.0

FEBRUARY

PERIOD: (PRIMARY) 1964-1976
(OVER-ALL) 1859-1976AREA 0023 ASCENSION
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.4	2.6	39.7	55.1	2.1	.0	.0	11.7	100.0	234
06009	.9	2.8	43.6	50.6	2.1	.0	.0	11.4	100.0	431
12015	.0	.3	41.0	57.0	1.7	.0	.0	12.0	100.0	344
18021	.2	.7	40.5	57.5	1.1	.0	.0	12.0	100.0	457
TOT	6	22	607	806	25	0	0	11.8		1466
PCT	.4	1.5	41.4	55.0	1.7	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.3	.0	.0		2.0
NE	.1	.0	.0	.0		1.0
E	9.5	6.9	2.6	.8		2.8
SE	36.5	19.7	14.8	4.4		3.1
S	.8	1.1	.3	.0		3.1
SW	.0	.0	.0	.0		.0
W	.3	.0	.0	.0		1.0
NW	.1	.3	.0	.0		2.6
VAR	.0	.0	.0	.0		.0
CALM	.0	.9	.0	.0		3.5
TOT OBS	110	68	41	12	231	3.0
TOT PCT	47.6	29.4	17.7	5.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <1/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <1/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
E	.0	.0	.0	.3	.9	.0	.0	.0	.0	.0	18.4	
SE	.0	.0	.9	3.1	5.7	3.5	.9	.0	.2	.0	61.1	
S	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.8	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	
TOT OBS	0	0	2	8	16	8	2	0	1	0	194	231
TOT PCT	.0	.0	.9	3.5	6.9	3.5	.9	.0	.4	.0	84.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)			VSBY (NM)			VSBY (NM)		
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0	
= OR >6500	.4	.4	.4	.4	.4	.4	.4	.4	
= OR >5000	.4	.4	.4	.4	.4	.4	.4	.4	
= OR >3500	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
= OR >2000	3.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	
= OR >1000	10.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	
= OR >400	13.9	15.2	15.2	15.2	15.2	15.2	15.2	15.2	
= OR >300	14.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
= OR >150	14.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
= OR >0	14.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0	
TOTAL	34	37	37	37	37	37	37	37	

TOTAL NUMBER OF OBS: 231

PCT FREQ NH <5/8: 84.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	10.3	18.5	27.2	18.5	9.9	3.7	6.2	2.1	3.7	.0	243

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

FEBRUARY

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7.25 14.1W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	4.8	17.8	4.8	.0	.0	.0	.0	1.5	29.0	
	TOT %	.0	.1	4.8	17.8	4.8	.0	.0	.0	.0	1.5	29.0	
10+	PCP	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.6	.1	14.4	52.0	1.5	.3	.2	.9	.0	.3	70.4	
	TOT %	.6	.1	14.4	52.6	1.5	.3	.2	.9	.0	.3	71.0	
TOT OBS													334
TOT PCT		.6	.2	19.2	70.4	6.3	.3	.2	.9	.0	1.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.7	2.0	1.3	.0	.0	.0	.0	1.4	5.4	
	4-10	.0	.1	2.7	5.2	2.1	.0	.0	.0	.0	.0	14.2	
	11-21	.0	.0	1.1	5.7	1.1	.0	.0	.0	.0	.0	8.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	4.5	16.9	4.5	.0	.0	.0	.0	1.4	27.6	
10+	0-3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	.6	
	4-10	.2	.0	9.2	29.2	.3	.3	.2	.7	.0	.0	40.1	
	11-21	.1	.0	4.8	25.1	1.1	.0	.0	.1	.0	.0	31.3	
	22+	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.6	.1	13.9	54.5	1.4	.3	.2	.9	.0	.3	72.2	
TOT OBS													352
TOT PCT		.6	.2	18.5	71.7	6.0	.3	.2	.9	.0	1.7	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
7.23 14.14

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	<5/8 HGT	TOTAL OBS
00003	.0	.0	.0	7.0	5.3	1.8	.0	.0	.0	.0	14.0	86.0	57
06009	.0	.0	3.4	1.7	5.2	1.7	1.7	.0	.0	.0	13.8	86.2	58
12015	.0	.0	.0	1.6	10.9	4.7	1.6	.0	.0	.0	18.8	81.3	64
18021	.0	.0	.0	3.1	4.7	6.3	.0	.0	1.6	.0	15.6	84.4	64
TOT	0	0	2	8	16	9	2	0	1	0	38	205	243
PCT	.0	.0	.8	3.3	6.6	3.7	.8	.0	.4	.0	15.6	84.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	23.3	76.7	73
06009	.0	.0	.0	.0	33.0	67.0	91
12015	.0	.0	.0	.0	17.4	82.6	86
18021	.0	.0	.0	1.0	33.7	65.4	104
TOT	0	0	0	1	97	256	354
PCT	.0	.0	.0	.3	27.4	72.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	7.5	5.7	86.8	53
06009	.0	3.6	5.5	9.1	85.5	55
12015	.0	.0	1.6	17.5	81.0	63
18021	.0	.0	5.0	13.3	81.7	60
TOT	0	2	11	27	193	231
PCT	.0	.9	4.8	11.7	83.5	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.3	.0	.0	.0	1	.3
90/94	.0	.0	.0	1.0	1.0	.0	.0	.0	6	2.1
85/89	.0	.0	.0	.0	1.7	2.1	.7	.0	13	4.5
80/84	.0	.0	.0	.7	10.3	18.2	3.8	1.7	101	34.6
75/79	.0	.0	.0	.0	1.4	38.4	15.1	2.7	168	57.5
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	3	1.0
TOTAL	0	0	0	5	43	171	57	16	292	100.0
PCT	.0	.0	.0	1.7	14.7	58.6	19.5	5.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	1.7	.0	.3	.0	.0	.0	.0
.0	.0	.6	3.9	.0	.0	.0	.0	.0	.0
.3	.0	5.5	25.2	2.6	.0	.3	.5	.0	.3
.3	.3	14.0	37.8	3.6	.0	.0	.0	.0	1.7
.0	.0	.0	.9	.2	.0	.0	.0	.0	.0
.5	.3	20.4	69.3	6.3	.3	.3	.5	.0	2.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	81	78	76	74	74	78.0	223
06009	84	82	82	78	75	74	73	78.2	409
12015	95	93	86	81	78	73	71	81.5	334
18021	92	86	83	80	76	76	75	79.6	437
TOT	95	87	84	79	76	75	71	79.4	1403

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.5	1.5	67.2	22.4	7.5	78	67
06009	.0	.0	3.9	55.3	31.6	9.2	79	76
12015	.0	5.8	36.2	44.9	11.6	1.4	72	69
18021	.0	.0	18.3	65.9	12.2	3.7	75	82
TOT	0	5	44	172	57	16	76	294

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PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	>92	TOT	% FOG	WD FOG
17/19	.0	.0	.0	.0	.0	.4	1	.0	.4
14/16	.0	.0	.0	.0	.0	1.3	3	.0	1.3
11/13	.0	.0	.0	.9	.4	.0	3	.0	1.3
9/10	.0	.4	.0	.0	.9	.0	3	.0	1.3
7/8	.0	.0	.9	1.3	.0	.0	5	.0	2.2
6	.0	.0	.9	1.3	.0	.0	5	.0	2.2
5	.0	.4	1.3	.9	.0	.0	6	.0	2.6
4	.0	.4	2.6	.0	.0	.0	7	.0	3.0
3	.0	1.3	.9	.9	.0	.0	7	.0	3.0
2	.4	3.0	3.0	.9	.0	.0	17	.0	7.3
1	.4	4.3	4.3	.0	.0	.0	21	.0	9.1
0	.9	11.2	4.7	.0	.0	.0	39	.0	16.8
-1	.9	17.7	2.2	.0	.0	.0	48	.0	20.7
-2	1.3	10.3	.4	.0	.0	.0	28	.0	12.1
-3	1.3	5.2	.4	.0	.0	.0	16	.0	6.9
-4	3.0	2.6	.9	.0	.0	.0	15	.0	6.5
-5	.0	1.3	.0	.0	.0	.0	3	.0	1.3
-6	.4	.9	.0	.0	.0	.0	3	.0	1.3
-7/-8	.9	.0	.0	.0	.0	.0	2	.0	.9
TOTAL	22	137	52	14	3	4	232	0	232
PCT	9.5	59.1	22.4	6.0	1.3	1.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.2	.0	.0	.2
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.0	.7	.0	.0	1.4	.0	.0	.0	.2	.0	.0	.2

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.9	.0	.0	.0	.0	.9	.0	2.7	.0	.0	.0	.0	2.7
1-2	.0	7.2	2.9	.0	.0	.0	10.1	.0	13.3	13.3	.0	.0	.0	26.8
3-4	.0	4.3	2.7	.0	.0	.0	7.0	.0	11.9	22.1	.0	.0	.0	34.0
5-6	.0	.9	1.6	.0	.0	.0	2.5	.0	.9	5.0	.0	.0	.0	5.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.7	.0	.0	.0	2.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	13.3	7.2	.0	.0	.0	20.5	.0	29.1	43.9	.0	.0	.0	73.0

PERIOD: (OVER-ALL) 1963-1976

FEBRUARY

AREA 0023 ASCENSION
7.25 14.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.9	2.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	98.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.8	4.5	.0	.0	.0	.0	6.3	
1-2	.0	22.3	16.1	.0	.0	.0	38.4	
3-4	.0	16.1	25.9	.9	.0	.0	42.9	
5-6	.0	1.8	7.1	.0	.0	.0	8.9	
7	.0	.0	2.7	.0	.0	.0	2.7	
8-9	.0	.0	.9	.0	.0	.0	.9	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.8	44.6	52.7	.9	.0	.0	100.0	112

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.4	17.2	23.0	6.4	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	108	3
6-7	.0	.0	10.3	9.8	2.5	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	4
8-9	.5	2.0	1.5	4.4	.5	.0	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	21	5
10-11	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
12-13	.0	.0	2.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
>13	.0	.0	.0	1.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	.0	.0	3.9	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	4
TOTAL	8	39	85	50	18	0	2	1	1	0	0	0	0	0	0	0	0	0	0	204	4
PCT	3.9	19.1	41.7	24.5	8.8	.0	1.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1853-1976

MARCH

AREA 0023 ASCENSION
7.25 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	3.8	.0	.0	.0	.0	3.8	.0	.0	.0	.0	.0	96.2
SE	.8	.9	.4	.0	.0	.0	.0	2.0	1.1	.0	.0	.0	.0	96.9
S	.0	4.7	.0	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	95.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.6	.9	.9	.0	.0	.0	.0	2.4	.9	.0	.0	.0	.3	96.5
TOT OBS:	340													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG WEA
00003	.0	1.3	1.3	.0	.0	.0	.0	2.6	1.3	.0	.0	.0	.0	96.2
06009	1.2	2.4	1.2	.0	.0	.0	.0	4.7	.0	.0	.0	.0	.0	95.3
12015	1.1	.0	.0	.0	.0	.0	.0	1.1	2.2	.0	.0	.0	.0	96.8
18021	.0	.0	1.2	.0	.0	.0	.0	1.2	.0	.0	.0	.0	1.2	97.6
TOT PCT	.6	.9	.9	.0	.0	.0	.0	2.3	.9	.0	.0	.0	.3	96.5
TOT OBS:	341													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.1	.0	.0	.0	.0	.0		.1	8.0	.0	.0	.4	.3	.0	.0	.0	.0
NE	.0	.4	.8	.0	.0	.0		1.0	12.0	1.2	.0	.7	1.2	.8	16.7	.2	1.7
E	.3	6.0	7.8	.1	.0	.0		14.1	12.0	16.8	37.5	11.9	12.4	15.1	.0	14.0	13.9
SE	1.5	29.0	46.4	1.8	.0	.0		78.7	12.4	76.4	62.5	81.3	78.1	77.6	83.3	80.6	78.2
S	.3	1.9	2.9	.0	.0	.0		5.1	11.5	4.5	.0	4.7	7.3	5.2	.0	3.8	5.7
SW	.3	.1	.0	.0	.0	.0		.4	3.9	.0	.0	.4	.6	.7	.0	.5	.5
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.2	.0	.1	.0	.0		.3	14.0	.4	.0	.4	.0	.3	.0	1.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3							.3	.0	.8	.0	.4	.0	.3	.0	.0	.0
TOT OBS	40	557	856	30	0	0	1483		12.2	259	2	284	161	356	6	206	209
TOT PCT	2.7	37.6	57.7	2.0	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	.1	.0	.0	.0	.0		.1	8.0	.0	.3	.0	.0	.0
NE	.0	.9	.1	.0	.0		1.0	12.0	1.1	.9	1.1	1.0	.0
E	1.4	9.8	2.8	.1	.0		14.1	12.0	17.0	12.1	14.8	13.9	.0
SE	7.9	52.3	18.2	.3	.0		78.7	12.4	76.2	80.2	77.7	79.4	.0
S	.6	3.7	.8	.0	.0		5.1	11.5	4.5	5.6	5.1	4.8	.0
SW	.3	.1	.0	.0	.0		.4	3.9	.0	.4	.7	.5	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
NW	.1	.1	.1	.0	.0		.3	14.0	.4	.2	.3	.5	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0
CALM	.3						.3	.0	.8	.2	.3	.0	.0
TOT OBS	159	991	328	5	0	1483		12.2	261	445	362	415	
TOT PCT	10.7	66.8	22.1	.3	.0	100.0			100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

MARCH

AREA 0023 ASCENSION
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GPH)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
00003	.8	1.9	36.4	59.0	1.9	.0	.0	12.3	100.0	261
06009	.2	3.4	36.6	58.2	1.6	.0	.0	11.9	100.0	445
12015	.3	2.5	38.7	55.8	2.8	.0	.0	12.3	100.0	362
18021	.0	1.7	38.3	58.1	1.9	.0	.0	12.4	100.0	415
TOT	.4	3.6	55.7	85.6	3.0	.0	.0	12.2		1483
PCT	.3	2.4	37.6	57.7	2.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.0	.0	.0		2.0
NE	.0	.0	.0	.0		.0
E	5.4	5.2	5.0	1.2		3.9
SE	30.1	28.0	15.9	2.2		3.2
S	1.4	1.6	1.8	.0		4.1
SW	.0	.3	.0	.0		3.0
W	.0	.0	.0	.3		.0
NW	.3	.0	.0	.3		4.0
CALM	.7	.0	.0	.0		.0
TOT OBS	111	102	66	11	290	3.3
TOT PCT	38.3	35.2	22.8	3.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.3	1.1	1.5	1.3	.0	.0	.0	.0	.3	12.3
.0	.0	.3	3.0	7.3	3.5	.0	.0	.0	.0	.1	62.0
.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	4.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
.0	.0	.2	12	27	14	.0	.0	.0	.0	1	234
.0	.0	.7	4.1	9.3	4.8	.0	.0	.0	.0	.3	80.7
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >5000	.3	.3	.3	.3	.3	.3	.3	.3
= OR >3500	.3	.3	.3	.3	.3	.3	.3	.3
= OR >2000	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
= OR >1000	14.1	14.5	14.5	14.5	14.5	14.5	14.5	14.5
= OR >600	17.9	18.3	18.3	18.3	18.3	18.3	18.3	18.3
= OR >300	18.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
= OR >150	18.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
= OR > 0	18.3	19.0	19.0	19.0	19.0	19.0	19.0	19.0
TOTAL	53	55	55	55	55	55	55	55

TOTAL NUMBER OF OBS: 290

PCT FREQ NH <5/8: 81.0

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.3	14.6	25.9	23.6	10.6	6.6	4.3	5.3	2.7	.0	301

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1853-1976

MARCH

AREA 0023 ASCENSION
7.25 14.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3
	NO PCP	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.9
	TOT %	.0	.3	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.2
5<10	PCP	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.0	.0	.7	5.3	.4	.0	.0	.3	.0	.0	.0	6.8
	TOT %	.0	.0	1.0	5.9	.4	.0	.0	.3	.0	.0	.0	7.7
10+	PCP	.0	.0	.3	.7	.2	.0	.0	.0	.0	.0	.0	1.2
	NO PCP	.3	.3	13.8	70.1	4.1	.3	.0	.6	.0	.6	.6	90.0
	TOT %	.3	.3	14.1	70.7	4.3	.3	.0	.6	.0	.6	.6	91.2
TOT OBS													339
TOT PCT		.3	.6	15.1	77.5	4.7	.3	.0	.9	.0	.6	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	1.1	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.3	.0	.8	.0	.0	.0	.0	.0	.0	1.1	.0
5<10	0-3	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	.0
	4-10	.0	.0	.4	2.8	.4	.0	.0	.3	.0	.0	3.9	.0
	11-21	.0	.0	.6	1.7	.0	.0	.0	.0	.0	.0	2.2	.0
	22+	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	.0
	TOT %	.0	.0	1.0	5.6	.4	.0	.0	.3	.0	.0	7.3	.0
10+	0-3	.3	.0	.5	1.3	.2	.0	.0	.0	.0	.6	2.8	.0
	4-10	.0	.0	7.2	25.4	1.7	.3	.0	.6	.0	.0	15.1	.0
	11-21	.0	.3	5.8	44.3	2.2	.0	.0	.0	.0	.0	52.5	.0
	22+	.0	.0	.2	.9	.0	.0	.0	.0	.0	.0	1.1	.0
	TOT %	.3	.3	13.7	71.8	4.1	.3	.0	.6	.0	.6	91.6	.0
TOT OBS													356
TOT PCT		.3	.6	14.7	78.3	4.5	.3	.0	.8	.0	.6	100.0	

MARCH

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
7.25 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	1.4	1.4	9.9	2.8	.0	.0	.0	.0	15.5	84.5	71
06009	.0	.0	1.4	5.5	11.0	8.2	.0	.0	.0	.0	26.0	74.0	73
12015	.0	.0	.0	3.6	10.7	3.6	.0	.0	.0	.0	17.9	82.1	84
18021	.0	.0	.0	5.6	4.2	4.2	.0	.0	.0	1.4	15.3	84.7	72
TOT	0	0	2	12	27	14	0	0	0	1	56	244	300
PCT	.0	.0	.7	4.0	9.0	4.7	.0	.0	.0	.3	18.7	81.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	.0	.0	.0	3.8	96.3	80
06009	.0	.0	.0	1.1	7.5	91.4	93
12015	.0	.0	.0	1.0	8.3	90.6	96
18021	.0	.0	.0	2.3	9.1	88.6	88
TOT	0	0	0	4	26	327	357
PCT	.0	.0	.0	1.1	7.3	91.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HR	<150	<600	<1000	1000+	NM <5/8	TOTAL
(GMT)	<5000	<1	<5	AND 5+	AND 5+	OBS
00003	.0	1.4	2.9	13.0	84.1	69
06009	.0	1.4	6.8	19.2	74.0	73
12015	.0	.0	2.5	15.2	82.3	79
18021	.0	.0	5.8	10.1	84.1	69
TOT	0	2	13	42	235	290
PCT	.0	.7	4.5	14.5	81.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
									OBS	FREQ
100/104	.0	.0	.0	.3	.0	.0	.0	.0	1	.3
90/94	.0	.0	.0	.7	.7	.3	.0	.0	5	1.7
85/89	.0	.0	.0	.0	3.7	2.7	1.7	.0	24	8.0
80/84	.0	.0	.0	.3	6.3	28.2	20.6	4.7	181	60.1
75/79	.0	.0	.0	.0	.3	7.3	16.6	4.7	87	28.9
70/74	.0	.0	.0	.0	.0	.0	.0	1.0	3	1.0
TOTAL	0	0	0	4	33	116	117	31	301	100.0
PCT	.0	.0	.0	1.3	11.0	38.5	38.9	10.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	.0	.0	.0	.0	.0	.0	.0
.0	.0	.2	1.2	.2	.0	.0	.0	.0	.0
.0	.0	.7	7.0	.2	.0	.0	.0	.0	.0
.0	.3	8.0	47.4	3.4	.3	.0	.7	.0	.0
.3	.7	6.2	20.4	.6	.0	.0	.0	.0	.7
.0	.0	.2	.4	.0	.0	.0	.3	.0	.0
.3	1.0	15.8	76.4	4.5	.3	.0	1.0	.0	.7

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	86	83	82	79	76	74	72	79.1	241
06009	90	85	82	79	76	73	73	79.3	422
12015	100	90	87	82	79	77	77	82.4	352
18021	92	88	85	80	78	77	76	80.7	393
TOT	100	88	85	80	77	75	72	80.4	1408

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	.0	4.2	33.3	47.2	15.3	82	72		
06009	.0	.0	.0	37.7	50.6	11.7	82	77		
12015	.0	4.9	17.1	41.5	28.0	8.5	76	82		
18021	.0	.0	22.5	42.3	29.6	5.6	77	71		
TOT	0	4	33	117	117	31	79	302		

MARCH

PERIOD: (PRIMARY) 1864-1976
(OVER-ALL) 1855-1976

TABLE 17

APEA 0023 ASCENSION
7.25 14.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TCT	N FOG	WD FOG
23/25	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
14/16	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
11/13	.0	.0	.0	.0	.0	.3	.3	2	.0	.6
9/10	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.0	.3	1.0	.6	.0	6	.0	1.9
6	.0	.0	.0	.3	1.0	.0	.0	4	.0	1.3
5	.0	.0	.0	.6	1.0	.0	.0	5	.0	1.6
4	.0	.0	.0	1.0	1.6	.0	.0	8	.0	2.5
3	.0	.0	.0	2.2	1.9	.0	.0	13	.0	4.1
2	.0	.0	.3	4.1	1.0	.0	.0	17	.0	5.4
1	.0	.0	1.6	7.6	.6	.0	.0	31	.0	9.8
0	.0	.0	5.7	9.8	.0	.0	.0	49	.0	15.6
-1	.0	.6	9.8	6.0	.6	.0	.0	54	.0	17.1
-2	.0	.0	11.4	3.5	.0	.0	.0	47	.0	14.9
-3	.0	.3	12.7	1.6	.0	.0	.0	46	.0	14.6
-4	.0	.0	3.2	1.0	.0	.0	.0	13	.0	4.1
-5	.0	.0	3.2	.0	.0	.0	.0	10	.0	3.2
-6	.0	.3	.0	.0	.0	.0	.0	1	.0	.3
-7/-8	.3	.6	.6	.0	.0	.0	.0	5	.0	1.6
-9/-10	.0	.8	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	1	7	153	120	8.6	5	2	315	0	315
PCT	.3	2.2	48.6	38.1	8.6	1.6	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
41	.0	.5	.0	.0	.0	.0	.5	1.4	2.2	.0	.0	.0	.0	3.5
1-2	.7	3.9	2.2	.0	.0	.0	6.8	.0	10.5	5.2	.0	.0	.0	15.7
3-4	.0	3.9	5.2	.0	.0	.0	9.1	.0	6.3	24.5	.0	.0	.0	30.7
5-6	.0	1.0	2.0	.5	.0	.0	3.5	.0	1.7	16.6	.8	.0	.0	19.1
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	2.0	.0	.0	.0	2.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	2.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	9.3	10.1	.5	.0	.0	20.6	1.4	20.6	50.3	.8	.0	.0	73.1

PERIOD: (OVER-ALL) 1963-1976

MARCH

AREA 0023 ASCENSION
7.25 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.5	1.4	.0	.0	.0		1.9	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	1.0	.0	.0	.0		1.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	1.4	.0	.0	.0		1.4	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.5	3.7	.0	.0	.0		4.2	.0	.0	.0	.0	.0	.0		.0

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.7	.0	.0	.0	.0	.0		.7	
3-4	.0	.0	.0	.0	.0	.0		.0	.7	.0	.0	.0	.0	.0		.7	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	1.4	.0	.0	.0	.0	.0		1.4	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	4.7	2.7	.0	.0	.0	.0	5.4	
1-2	.7	15.4	8.7	.0	.0	.0	24.8	
3-4	.0	10.7	29.5	.0	.0	.0	40.2	
5-6	.0	2.7	19.5	1.3	.0	.0	23.5	
7	.0	.0	4.0	.0	.0	.0	4.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	2.0	.0	.0	.0	2.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	3.4	31.5	63.8	1.3	.0	.0	100.0	149

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.7	8.4	20.2	10.9	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	3
6-7	.0	2.5	13.0	13.9	5.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	84	4
8-9	.0	.4	4.2	3.8	2.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	26	5
10-11	.0	.4	.8	.8	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
12-13	.0	.0	.8	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	4
>13	.0	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
INDET	.4	.8	.8	.8	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	4
TOTAL	5	30	95	79	23	3	3	0	0	0	0	0	0	0	0	0	0	0	0	238	4
PCT	2.1	12.6	39.9	33.2	9.7	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
7.35 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNO DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	33.3
E	.0	1.5	1.2	.0	.0	.0	.0	2.7	4.5	.0	.0	.0	.0	.0	92.9
SE	.0	2.0	.0	.0	.0	.0	.0	2.0	2.9	.0	.0	.0	.0	.0	95.1
S	8.3	.0	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	91.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.8	.3	.0	.0	.0	.0	2.3	3.6	.0	.0	.0	.0	.0	94.1
TOT OBS:	388														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THUR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	2.7	1.3	.0	.0	.0	.0	4.0	9.3	.0	.0	.0	.0	.0	86.7
06009	.9	2.6	.0	.0	.0	.0	.0	3.5	2.6	.0	.0	.0	.0	.0	93.9
12015	.0	.8	.0	.0	.0	.0	.0	.8	1.7	.0	.0	.0	.0	.0	97.5
18021	.0	1.2	.0	.0	.0	.0	.0	1.2	2.3	.0	.0	.0	.0	.0	96.5
TOT PCT	.3	1.8	.3	.0	.0	.0	.0	2.3	3.6	.0	.0	.0	.0	.0	94.2
TOT OBS:	394														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.0	.2	.0	.0	.0	.0	.0	.2	7.6	.0	.0	.4	.0	.5	.0	.0	.0
NE	.1	.2	*	.0	.0	.0	.0	.3	6.2	.9	.0	.2	.3	.3	.0	.3	.2
E	.1	5.2	10.7	.7	.1	.0	.0	16.8	13.4	17.5	33.3	15.7	15.3	16.9	.0	16.8	18.5
SE	.3	25.1	48.8	3.4	.1	.0	.0	77.6	13.2	77.7	66.7	78.6	77.5	76.9	100.0	78.1	77.0
S	.0	1.6	2.7	.3	.0	.0	.0	4.6	13.1	3.8	.0	4.4	6.9	4.9	.0	3.8	4.2
SW	.0	.1	*	.0	.0	.0	.0	.1	10.3	.0	.0	.0	.0	.4	.0	.0	.0
W	.0	.1	*	.0	.0	.0	.0	.1	10.3	.0	.0	.0	.0	.1	.0	.5	.0
NW	.0	.1	.1	.0	.0	.0	.0	.1	8.5	.0	.0	.4	.0	.0	.0	.5	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.4	.0	.0	.0	.0	.0
TOT OBS	7	473	908	64	2	0	1454		13.2	228	3	274	178	375	1	186	209
TOT PCT	.5	32.5	62.4	4.4	.1	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.1	.1	.0	.0	.0	.0	.2	7.6	.0	.2	.5	.0
NE	.2	.1	.0	.0	.0	.0	.3	6.2	.0	.2	.3	.3
E	1.3	10.5	4.8	.2	.0	16.8	13.4	17.7	15.3	16.8	17.7	
SE	3.6	54.1	19.6	.3	.0	77.6	13.2	77.6	78.2	77.0	77.5	
S	.2	3.4	1.0	.1	.0	4.6	13.1	3.8	5.4	4.9	4.0	
SW	.0	.1	.0	.0	.0	.1	10.3	.0	.0	.4	.0	
W	.0	.1	.0	.0	.0	.1	10.3	.0	.0	.1	.3	
NW	.1	.1	.0	.0	.0	.1	8.5	.0	.2	.0	.3	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	
TOT OBS	81	996	368	9	0	1454		13.2	231	452	376	395
TOT PCT	5.6	68.5	25.3	.6	.0		100.0		100.0	100.0	100.0	100.0

APRIL

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
7.35 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.0	.9	32.9	60.2	6.1	.0	.0	.0	13.1	100.0	231
06009	.2	.0	34.1	61.7	4.0	.0	.0	.0	12.8	100.0	452
12015	.0	.0	29.0	66.2	4.5	.3	.0	.0	13.7	100.0	376
18021	.0	1.0	33.9	61.0	3.8	.3	.0	.0	13.0	100.0	395
TOT	1	6	473	908	64	2	0	0	13.2		1454
PCT	.1	.4	32.5	62.4	4.4	.1	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.4		8.0
NE	.0	.0	.7	.4		6.6
E	7.3	9.4	4.5	1.2		3.4
SE	26.7	24.3	17.9	3.1		3.4
S	1.2	.0	.9	.7		4.8
SW	.0	.4	.0	.0		3.0
W	.0	.0	.0	.4		8.0
NW	.0	.4	.0	.0		3.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.0	.0	.0		.0
TOT OBS	99	96	67	17	279	3.5
TOT PCT	35.5	34.4	24.0	6.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	
NE	.0	.0	.0	.0	.7	.4	.0	.0	.0	.0	.0	
E	.0	.0	.3	1.0	1.3	2.2	.4	.0	.0	.0	.0	17.2
SE	.0	.0	.4	1.9	4.8	3.3	.9	.0	.0	.0	.0	60.7
S	.0	.4	.0	.0	.4	.2	.2	.0	.0	.0	.0	1.7
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
TOT OBS	0	1	2	8	21	17	4	0	0	0	226	279
TOT PCT	.0	.4	.7	2.9	7.5	6.1	1.4	.0	.0	.0	81.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	.0	.0	.0	.0	.0	.0	.0	.0
= OR >3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
= OR >2000	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1
= OR >1000	12.1	14.9	14.9	14.9	14.9	14.9	14.9	14.9
= OR >600	14.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7
= OR >300	15.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4
= OR >150	15.2	18.8	18.8	18.8	18.8	18.8	18.8	18.8
= OR >0	15.2	18.8	18.8	18.8	18.8	18.8	18.8	18.8
TOTAL	43	53	53	53	53	53	53	53

TOTAL NUMBER OF OBS: 282

PCT FREQ NH <5/8: 81.2

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
2.8	18.8	27.0	19.1	12.3	5.1	5.9	3.8	4.8	.0	293

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

APRIL

AREA 0023 ASCENSION
7.35 14.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.1	.9	.3	.0	.0	.0	.0	.0	.0	1.3
	NO PCP	.3	.3	1.4	3.7	.6	.0	.0	.0	.0	.0	.0	6.2
	TOT %	.3	.3	1.5	4.6	.9	.0	.0	.0	.0	.0	.0	7.4
10+	PCP	.0	.0	.5	.6	.0	.0	.0	.0	.0	.0	.0	1.0
	NO PCP	.3	.5	19.8	67.9	2.2	.3	.3	.3	.0	.0	.0	91.5
	TOT %	.3	.5	20.3	68.5	2.2	.3	.3	.3	.0	.0	.0	92.5
TOT OBS													387
TOT PCT		.5	.8	21.8	73.1	3.1	.3	.3	.3	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.2	.2	.5	.8	.6	.0	.0	.0	.0	.0	.0	2.4
	11-21	.0	.0	.9	2.8	.2	.0	.0	.0	.0	.0	.0	3.9
	22+	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.7
	TOT %	.2	.2	1.4	4.3	.9	.0	.0	.0	.0	.0	.0	7.1
10+	0-3	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	.5
	4-10	.2	.5	8.5	24.0	1.2	.2	.2	.2	.0	.0	.0	35.1
	11-21	.0	.0	10.9	43.8	.9	.0	.0	.0	.0	.0	.0	55.6
	22+	.0	.0	.2	1.5	.0	.0	.0	.0	.0	.0	.0	1.7
	TOT %	.2	.5	19.6	69.5	2.1	.2	.2	.2	.0	.0	.2	92.9
TOT OBS													410
TOT PCT		.5	.7	21.0	73.8	2.9	.2	.2	.2	.0	.2	100.0	

APRIL

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
7.25 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	130 209	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	6.9	11.1	1.4	.0	.0	.0	.0	19.4	80.6	72
06009	.0	1.3	1.3	2.5	8.8	11.3	.0	.0	.0	.0	25.0	75.0	80
12015	.0	.0	.0	1.1	6.9	5.7	2.3	.0	.0	.0	16.1	83.9	87
18021	.0	.0	1.9	.0	1.9	3.6	3.8	.0	.0	.0	11.5	88.5	92
TOT	0	1	2	8	22	17	4	0	0	0	54	237	291
PCT	.0	.3	.7	2.7	7.6	5.8	1.4	.0	.0	.0	18.6	81.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	6.9	91.1	79
06009	.0	.0	.0	.0	7.4	92.6	122
12015	.0	.0	.0	.0	4.2	95.8	120
18021	.0	.0	.0	.0	8.4	91.6	95
TOT	0	0	0	0	29	387	416
PCT	.0	.0	.0	.0	7.0	93.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET) NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.0	7.1	12.9	80.0	70
06009	.0	2.6	5.1	20.5	74.4	78
12015	.0	.0	1.2	14.3	84.5	84
18021	.0	2.0	2.0	10.0	88.0	90
TOT	0	3	11	42	229	282
PCT	.0	1.1	3.9	14.9	81.2	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.0	.3	.0	.0	1	.3
90/94	.0	.0	.0	.3	.6	.3	.0	.0	4	1.1
85/89	.0	.0	.0	.0	.8	2.8	1.1	.0	17	4.7
80/84	.0	.0	.0	.6	9.5	39.9	17.6	2.2	250	69.8
75/79	.0	.0	.0	.0	1.7	8.1	11.7	2.2	85	23.7
70/74	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	0	3	45	184	109	17	358	100.0
PCT	.0	.0	.0	.8	12.6	51.4	30.4	4.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.0	.0	.0	.9	.2	.0	.0	.0	.0	.0
.0	.0	1.7	3.0	.0	.0	.0	.0	.0	.0
.0	.3	13.8	53.4	1.7	.0	.3	.3	.0	.0
.3	.3	5.6	16.2	1.0	.3	.0	.0	.0	.3
.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
.3	.6	21.0	74.1	2.9	.3	.3	.3	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	82	80	77	75	72	79.5	224
06009	89	83	82	80	77	74	70	79.6	442
12015	93	90	87	82	79	76	70	82.3	370
18021	99	87	84	81	78	76	71	80.7	390
TOT	99	87	85	80	77	75	70	80.6	1426

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	4.8	57.1	28.6	9.5	79	63
06009	.0	.0	9.8	45.5	40.2	4.5	79	112
12015	.0	3.8	21.9	51.4	21.0	1.9	74	105
18021	.0	.0	12.2	53.7	29.3	4.9	78	82
TOT	0	4	47	185	109	17	78	362

APRIL

PERIOD: (PRIMARY) 1863-1976
(OVER-ALL) 1855-1976

TABLE 17

AREA 0023 ASCENSION
7.35 14.24PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TCT	N FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
14/16	.0	.0	.0	.0	.0	.0	.3	1	.0	.3
9/10	.0	.0	.0	.0	.0	.3	.0	1	.0	.3
7/8	.0	.0	.3	.3	.6	.6	.0	6	.0	1.9
6	.0	.0	.0	.3	.6	.0	.0	3	.0	.9
5	.0	.0	.6	.0	.9	.0	.0	5	.0	1.5
4	.0	.0	.0	.3	1.9	.0	.0	7	.0	2.2
3	.0	.0	1.5	1.9	.9	.0	.0	14	.0	4.3
2	.0	.0	1.2	4.0	.3	.0	.0	18	.0	5.6
1	.0	.0	2.5	6.2	.0	.0	.0	28	.0	8.6
0	.0	.0	6.5	9.9	.6	.0	.0	55	.0	17.0
-1	.0	.0	10.8	8.6	.0	.0	.0	63	.0	19.4
-2	.0	.0	13.3	3.7	.0	.0	.0	55	.0	17.0
-3	.0	.0	5.6	.6	.0	.0	.0	20	.0	6.2
-4	.0	.0	3.6	1.2	.0	.0	.0	22	.0	6.8
-5	.0	.6	4.0	.0	.0	.0	.0	15	.0	4.6
-6	.0	.0	.9	.0	.0	.0	.0	3	.0	.9
-7/-8	.0	1.5	.0	.0	.0	.0	.0	5	.0	1.5
-9/-10	.3	.0	.0	.0	.0	.0	.0	1	.0	.3
-11/-13	.3	.0	.0	.0	.0	.0	.0	1	.0	.3
TOTAL	2	7	171	120	19	3	2	324	0	324
PCT	.6	2.2	52.8	37.0	5.9	.9	.6	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

WGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

WGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.6	.0	.0	.0	.0	.6	.8	2.8	.8	.0	.0	.0	4.5
1-2	.0	4.3	5.9	.0	.0	.0	9.8	.0	7.9	8.3	.0	.0	.0	16.3
3-4	.0	2.8	4.7	.0	.0	.0	7.5	.0	6.1	20.5	.0	.0	.0	26.6
5-6	.0	1.4	2.0	.0	.0	.0	3.5	.0	2.6	13.4	.0	.0	.0	16.1
7	.0	.6	2.4	.0	.0	.0	3.0	.0	.2	4.1	1.6	.0	.0	5.9
8-9	.0	.0	1.2	.0	.0	.0	1.2	.0	.0	1.2	.0	.0	.0	1.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.8
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.8	15.9	.0	.0	.0	23.6	.8	19.7	49.2	1.6	.0	.0	71.3

PERIOD: (OVER-ALL) 1963-1976

APRIL

AREA 0023 ASCENSION
7.35 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.6	.0	.0	.0	.0		.6	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.8	.0	.0	.0		.8	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.6	.8	.0	.0	.0		1.4	.0	.8	.0	.0	.0	.0		.8

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.8	.0	.0	.0	.0		.8	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.8	.0	.0	.0	.0		.8	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.6	4.8	.8	.0	.0	.0	7.3	
1-2	.0	12.1	14.5	.0	.0	.0	26.6	
3-4	.0	8.9	25.0	.0	.0	.0	33.9	
5-6	.0	4.8	15.3	.0	.0	.0	20.2	
7	.0	.8	6.5	1.6	.0	.0	8.9	
8-9	.0	.0	2.4	.0	.0	.0	2.4	
10-11	.0	.0	.8	.0	.0	.0	.8	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.6	31.5	65.3	1.6	.0	.0	100.0	124

PERIOD: (OVER-ALL) 1960-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-49	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	1.3	6.1	15.7	11.8	4.8	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92	4
6-7	.0	.0	11.8	15.7	5.7	.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	5
8-9	.0	.0	1.3	3.9	4.4	2.2	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	30	6
10-11	.0	.9	.4	.0	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
12-13	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
>13	.0	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	6
INDET	.4	.4	.9	.4	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
TOTAL	4	17	71	76	41	13	5	1	1	0	0	0	0	0	0	0	0	0	0	0	229	5
PCT	1.7	7.4	31.0	33.2	17.9	5.7	2.2	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0023 ASCENSION
7.25 14.24

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THUR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	66.7	.0	.0	.0	.0	.0	.0	66.7	.0	66.7	.0	.0	.0	.0	33.3
E	1.8	.9	.0	.0	.0	.0	.0	2.7	1.2	.6	.0	.0	1.2	.0	95.0
SE	.0	1.8	.0	.0	.0	.0	.0	1.8	1.0	.5	.0	.0	.0	.0	96.7
S	.0	6.1	.0	.0	.0	.0	.0	6.1	.0	.0	.0	.0	.0	.0	93.9
SW	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	1.0	1.6	.0	.0	.0	.0	.0	2.6	1.0	.7	.0	.0	.3	.0	95.7
TOT OBS:	305														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	97.0
06009	1.2	2.4	.0	.0	.0	.0	.0	3.7	1.2	1.2	.0	.0	.0	.0	95.1
12015	1.3	2.6	.0	.0	.0	.0	.0	3.8	1.3	.0	.0	.0	1.3	.0	93.6
18021	1.3	1.3	.0	.0	.0	.0	.0	2.5	.0	.0	.0	.0	.0	.0	97.5
TOT PCT TOT OBS:	1.0 305	1.6	.0	.0	.0	.0	.0	2.6	1.0	.7	.0	.0	.3	.0	95.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0		.1	9.6	.0	.0	.0	.0	.4	.0	.0	.0	.0
NE	.0	.0	.4	.0	.0	.0		.4	16.0	.0	.0	.6	.4	.5	.0	.3	.0	.0
E	.1	5.5	11.8	1.6	.0	.0		19.1	13.7	20.6	.0	18.8	15.0	21.0	.0	19.6	15.6	.0
SE	.1	18.6	53.7	3.9	.0	.0		76.0	14.0	76.7	100.0	74.8	79.3	74.4	100.0	75.4	78.1	.0
S	.0	1.6	2.5	.0	.0	.0		4.1	12.9	2.7	.0	5.3	5.3	3.4	.0	3.5	6.3	.0
SW	.0	.1	.0	.0	.0	.0		.1	9.0	.0	.0	.0	.0	.0	.0	.6	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.0		.1	4.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0		.2	.0	.0	.0	.5	.0	.0	.0	.6	.0	.0
TOT OBS	5	315	824	67	0	0	1211		13.9	176	3	215	123	379	2	177	136	.0
TOT PCT	.4	26.0	68.0	5.5	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	06	12	18	21
N	.0	.1	.0	.0	.0		.1	9.6	.0	.0	.0	.4	.0	.0	.0
NE	.0	.1	.2	.0	.0		.4	16.0	.0	.5	.5	.3	.2	.0	.0
E	1.2	11.7	6.1	.0	.0		19.1	13.7	20.3	17.5	20.9	17.9	.0	.0	.0
SE	3.4	43.8	26.6	.2	.0		76.0	14.0	77.1	76.4	74.5	76.6	.0	.0	.0
S	.3	2.6	1.3	.0	.0		4.1	12.9	2.7	5.3	3.3	4.7	.0	.0	.0
SW	.0	.1	.0	.0	.0		.1	9.0	.0	.0	.0	.3	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1	.0	.0	.0	.0		.1	4.0	.0	.0	.3	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0		.2	.0	.0	.3	.0	.3	.0	.3	.0
TOT OBS	62	732	414	3	0	1211		13.9	179	338	381	313			
TOT PCT	5.1	60.4	34.2	.2	.0	100.0			100.0	100.0	100.0	100.0			

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0023 ASCENSION
7.35 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GNT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	22.3	72.1	5.6	.0	.0	14.3	100.0	179
06009	.3	.3	29.3	65.1	5.0	.0	.0	13.5	100.0	338
12015	.0	.5	26.5	67.5	5.5	.0	.0	13.9	100.0	381
18021	.3	.0	24.0	69.6	6.1	.0	.0	14.1	100.0	313
TOT	2	3	31.5	82.4	6.7	0	0	13.9		1211
PCT	.2	.2	26.0	68.0	5.5	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.4	.0		7.0
NE	.0	.1	.2	.0		5.6
E	10.0	11.3	6.7	1.0		3.4
SE	25.1	22.5	15.7	2.7		3.3
S	1.0	1.5	.4	.0		2.7
SW	.0	.0	.4	.0		7.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.4	.0		7.0
VAR	.0	.0	.0	.0		.0
CALM	.4	.4	.0	.0		2.0
TOT OBS	97	95	64	10	266	3.4
TOT PCT	36.5	35.7	24.1	3.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
.0	.0	.4	1.1	2.6	1.4	.3	.0	.0	.0	.2	22.9
.0	.0	.0	2.3	5.6	3.5	.8	.0	.0	.0	.0	53.8
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	2.5
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
.0	.0	1	9	25	13	3	0	0	1	21.4	266
.0	.0	.4	3.4	9.4	4.9	1.1	.0	.0	.4	80.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>OR >6500	.0	.0	.4	.4	.4	.4	.4	.4
>OR >5000	.0	.0	.4	.4	.4	.4	.4	.4
>OR >3500	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5
>OR >2000	5.7	5.7	6.4	6.4	6.4	6.4	6.4	6.4
>OR >1000	14.7	15.1	15.8	15.8	15.8	15.8	15.8	15.8
>OR >600	18.1	18.5	19.2	19.2	19.2	19.2	19.2	19.2
>OR >300	18.5	18.9	19.6	19.6	19.6	19.6	19.6	19.6
>OR >150	18.5	18.9	19.6	19.6	19.6	19.6	19.6	19.6
>OR >0	18.5	18.9	19.6	19.6	19.6	19.6	19.6	19.6
TOTAL	49	50	52	52	52	52	52	52

TOTAL NUMBER OF OBS: 265

PCT FREQ NH <5/8: 80.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.3	16.4	19.7	23.4	13.9	8.8	4.7	3.6	2.2	.0	274

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

MAY

AREA 0023 ASCENSION
7.35 14.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.7	
5<10	PCP	.0	.0	.0	.8	.2	.0	.0	.0	.0	.0	1.0	
	NO PCP	.0	.0	.0	2.4	.2	.0	.0	.0	.0	.0	2.6	
	TOT %	.0	.0	.0	3.2	.4	.0	.0	.0	.0	.0	3.6	
10+	PCP	.0	.0	.2	.4	.0	.3	.0	.0	.0	.0	1.0	
	NO PCP	.3	.1	27.0	64.0	2.3	.0	.0	.3	.0	.7	94.8	
	TOT %	.3	.1	27.3	64.4	2.3	.3	.0	.3	.0	.7	95.7	
TOT OBS													305
TOT PCT		.3	.2	27.8	67.6	2.7	.3	.0	.3	.0	.7	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0	.6	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	11-21	.0	.0	.0	2.4	.4	.0	.0	.0	.0	.0	2.8	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	3.0	.4	.0	.0	.0	.0	.0	3.4	
10+	0-3	.0	.0	.5	.5	.0	.0	.0	.0	.0	.6	1.5	
	4-10	.3	.0	9.7	17.1	.9	.3	.0	.3	.0	.0	28.7	
	11-21	.0	.1	15.5	45.8	1.2	.0	.0	.0	.0	.0	62.7	
	22+	.0	.0	1.2	1.9	.0	.0	.0	.0	.0	.0	3.1	
	TOT %	.3	.1	26.9	65.4	2.2	.3	.0	.3	.0	.6	96.0	
TOT OBS													324
TOT PCT		.3	.2	27.3	68.4	2.5	.3	.0	.3	.0	.6	100.0	

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976AREA 0023 ASCENSION
7.35 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	1.6	6.5	4.8	.0	.0	.0	.0	12.9	87.1	62
06009	.0	.0	.0	5.8	13.0	2.9	.0	.0	.0	1.4	23.2	76.8	69
12015	.0	.0	.0	4.1	8.2	4.1	4.1	.0	.0	.0	20.5	79.5	73
18021	.0	.0	1.4	1.4	8.7	7.2	.0	.0	.0	.0	18.8	81.2	69
TOT	0	0	1	9	25	13	3	0	0	1	52	221	273
PCT	.0	.0	.4	3.3	9.2	4.8	1.1	.0	.0	.4	19.0	81.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	1.5	98.5	68
06009	.0	.0	.0	1.1	2.2	96.8	93
12015	.0	.0	.0	1.2	3.7	95.1	81
18021	.0	.0	.0	.0	6.1	93.9	82
TOT	0	0	0	2	11	311	324
PCT	.0	.0	.0	.6	3.4	96.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.0	1.6	11.5	86.9	61
06009	.0	.0	7.6	16.7	75.8	66
12015	.0	.0	5.6	15.5	78.9	71
18021	.0	1.5	3.0	16.4	80.6	67
TOT	0	1	12	40	213	265
PCT	.0	.4	4.3	15.1	80.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.4	.0	.0	.0	.0	.0	1	.4
90/94	.0	.0	.0	.0	.8	.0	.0	.0	2	.8
85/89	.0	.0	.0	.8	2.6	1.5	.0	.0	13	4.9
80/84	.0	.0	.0	.8	12.0	27.1	12.4	3.0	147	55.3
75/79	.0	.0	.0	.0	4.1	16.5	13.9	4.1	103	38.7
TOTAL	0	0	1	4	32	120	70	19	266	100.0
PCT	.0	.0	.4	1.5	19.5	45.1	26.3	7.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CAL
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
.0	.0	.4	1.1	.3	.0	.0	.0	.0	.0
.0	.0	.8	4.0	.0	.0	.0	.0	.0	.0
.4	.0	15.2	36.7	1.9	.0	.0	.4	.0	.8
.0	.0	10.5	27.3	.9	.0	.0	.0	.0	.0
.4	.0	27.0	68.4	3.1	.0	.0	.4	.0	.8

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	78	76	75	75	78.6	174
06009	84	83	81	78	76	75	72	78.5	328
12015	95	90	86	81	78	76	73	81.5	376
18021	90	86	83	79	77	75	75	79.7	307
TOT	95	88	84	79	77	75	72	79.8	1185

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	4.8	46.8	35.5	12.9	81	62		
06009	.0	.0	10.1	44.9	40.6	4.3	79	69		
12015	.0	6.0	37.3	40.3	11.9	4.5	72	67		
18021	.0	1.5	25.0	48.5	17.6	7.4	75	68		
TOT	0	5	52	120	70	19	77	266		

MAY

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1855-1976

TABLE 17

AREA 0023 ASCENSION
7.3S 14.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TCT	W FOG	WD FOG
14/16	.0	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.0	.0	.0	.7	.0	2	.0	.7
7/8	.0	.0	.0	.4	1.5	.0	.0	5	.0	1.8
6	.0	.0	.0	.4	.0	.0	.0	1	.0	.4
5	.0	.0	.4	.7	1.1	.4	.0	7	.0	2.6
4	.0	.0	1.1	1.8	.7	.0	.0	10	.0	3.6
3	.0	.0	.4	3.6	.7	.0	.0	13	.0	4.7
2	.0	.0	.4	4.7	.4	.0	.0	15	.0	5.5
1	.0	.0	2.9	5.1	.0	.0	.0	22	.0	8.0
0	.0	.4	5.8	5.8	.0	.0	.0	33	.0	12.0
-1	.0	.0	13.1	6.2	.0	.0	.0	53	.0	19.3
-2	.0	.7	13.5	3.6	.0	.0	.0	49	.0	17.9
-3	.0	.0	11.7	.7	.0	.0	.0	34	.0	12.4
-4	.0	.4	4.0	.4	.0	.0	.0	13	.0	4.7
-5	.0	.0	2.2	.0	.0	.0	.0	6	.0	2.2
-6	.0	1.1	.7	.0	.0	.0	.0	5	.0	1.8
-7/-8	.4	.4	.0	.0	.0	.0	.0	2	.0	.7
-9/-10	.0	.4	.7	.0	.0	.0	.0	3	.0	1.1
TOTAL	1	9	156	92	12	3	1	274	0	274
PCT	.4	3.3	56.9	33.6	4.4	1.1	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
1-2	.0	6.9	4.0	.0	.0	.0	10.9	.0	6.5	3.0	.0	.0	.0	9.5
3-4	.0	3.3	6.5	.7	.0	.0	10.6	.0	5.8	13.9	.7	.0	.0	20.4
5-6	.0	2.5	3.9	.0	.0	.0	6.3	.0	2.5	20.2	1.4	.0	.0	24.1
7	.0	.0	3.7	.7	.0	.0	4.4	.0	.0	4.8	.0	.0	.0	4.8
8-9	.0	.0	.7	.0	.0	.0	.7	.0	.0	.7	.0	.0	.0	.7
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	1.4
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	12.7	18.8	1.4	.0	.0	32.9	.0	15.5	44.0	2.1	.0	.0	61.6

PERIOD: (OVER-ALL) 1963-1976

MAY

AREA 0023 ASCENSION
7.35 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	2.1	.0	.0	.0	.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.7	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.1	1.2	.0	.0	.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.7	.7	.0	.0	.0	.0	1.4	
1-2	.0	16.2	7.0	.0	.0	.0	23.2	
3-4	.0	9.9	21.1	1.4	.0	.0	32.4	
5-6	.0	4.9	24.6	1.4	.0	.0	31.0	
7	.0	.0	8.5	.7	.0	.0	9.2	
8-9	.0	.0	1.4	.0	.0	.0	1.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	1.4	.0	.0	.0	1.4	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	31.7	64.1	3.5	.0	.0	100.0	142

PERIOD: (OVER-ALL) 1949-1976

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	.0	8.2	14.3	10.4	3.5	1.3	.4	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	89	4
6-7	.0	.0	9.5	18.2	3.9	2.2	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	80	5
8-9	.0	.0	1.3	3.9	5.6	3.9	.9	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	37	7
10-11	.0	.0	.9	.4	1.3	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
12-13	.0	.0	.0	.4	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	7
>13	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	16
INDET	.4	.0	.9	1.7	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	4
TOTAL	1	19	62	81	38	21	5	1	1	0	2	0	0	0	0	0	0	0	0	0	231	5
PCT	.4	8.2	26.8	35.1	16.5	9.1	2.2	.4	.4	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

JUNE

AREA 0023 ASCENSION
7.25 14.2K

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	3.9	.0	1.4	.0	1.1	.0	93.7
SE	.0	1.5	1.0	.0	.0	.0	.0	2.5	.1	.0	.0	.0	.1	.0	97.2
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.1	.7	.0	.0	.0	.0	1.8	1.1	.0	.4	.0	.4	.0	96.5
TOT OBS:	284														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	1.3	1.3	.0	.0	.0	.0	2.6	1.3	.0	.0	.0	1.3	.0	94.8
06009	.0	2.8	.0	.0	.0	.0	.0	2.8	2.8	.0	1.4	.0	.0	.0	93.1
12015	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
18021	.0	.0	1.7	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	98.3
TOT PCT	.0	1.1	.7	.0	.0	.0	.0	1.8	1.1	.0	.4	.0	.4	.0	96.5
TOT OBS:	285														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)					
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15
N	.0	.0	.0	.0	.0	.0			13.0		.0	.0	.0	.0	.0	.3
NE	.0	.2	.4	.0	.0	.0			12.6		.0	.0	.0	.0	.0	.6
E	.0	3.2	16.0	1.6	.0	.0		20.9	15.0		23.5	18.8	20.4	19.4	23.0	19.0
SE	.0	14.4	53.3	5.9	.3	.0		73.9	14.7		72.0	81.3	73.5	73.5	72.6	76.7
S	.0	.8	3.4	.2	.0	.0		4.4	13.8		4.5	.0	4.8	6.1	3.5	3.3
SW	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0
CALM	.1							.1	.0		.0	.0	.4	.0	.0	.0
TOT OBS	1	245	961	101	4	0	1312		14.7		205	4	240	147	384	1
TOT PCT	.1	18.7	73.2	7.7	.3	.0	100.0				100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40	41+				00	06	12	18
N	.0	.0	.0	.0	.0			13.0	.0	.0	.0	.2
NE	.1	.4	.2	.0	.0			12.6	.0	.9	.8	.6
E	.6	11.2	8.9	.1	.0		20.9	15.0	23.4	20.0	23.0	17.9
SE	1.4	44.0	27.9	.6	.0		73.9	14.7	72.1	73.5	72.7	76.9
S	.4	2.8	1.2	.1	.0		4.4	13.8	4.4	5.3	3.5	4.5
SW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	.1						.1	.0	.0	.3	.0	.0
TOT OBS	34	767	501	10	0	1312		14.7	209	387	385	331
TOT PCT	2.6	58.5	38.2	.8	.0	100.0			100.0	100.0	100.0	100.0

JUNE

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
7.25 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				4R+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00603	.0	.0	21.5	69.9	8.1	.5	.0	.0	14.8	100.0	209
06609	.3	.0	19.6	72.1	7.8	.3	.0	.0	14.6	100.0	387
12615	.0	.0	19.0	72.7	7.8	.5	.0	.0	14.8	100.0	385
18621	.0	.0	13.4	77.3	7.3	.0	.0	.0	14.7	100.0	331
TOT	1	0	245	961	101	4	0	0	14.7		1312
PCT	.1	.0	18.7	73.2	7.7	.3	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.1	.8	.0		6.5
E	6.2	9.7	6.6	1.8		3.8
SE	28.5	19.4	18.4	4.3		3.5
S	2.3	.8	1.2	.0		3.2
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	96	78	70	16	260	3.6
TOT PCT	36.9	30.0	26.9	6.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) NH >4/8
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.5
.0	.0	.4	1.4	2.8	.6	.3	.0	.0	.0	.0	18.8
.0	.0	.4	5.1	4.5	3.7	.9	.4	.4	.0	.0	55.3
.0	.0	.0	.0	1.2	.0	.0	.0	.0	.0	.0	3.1
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	2	18	22	11	3	1	1	0	202	260
.0	.0	.8	6.9	8.5	4.2	1.2	.4	.4	.0	77.7	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)			VSBY (NM)			VSBY (NM)			VSBY (NM)		
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0				
>4500	.4	.4	.4	.4	.4	.4	.4	.4				
>3000	.4	.8	.8	.8	.8	.8	.8	.8				
>2500	1.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9				
>2000	5.7	6.1	6.1	6.1	6.1	6.1	6.1	6.1				
>1000	13.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6				
>600	19.9	21.1	21.5	21.5	21.5	21.5	21.5	21.5				
>300	20.3	21.8	22.2	22.2	22.2	22.2	22.2	22.2				
>150	20.3	21.8	22.2	22.2	22.2	22.2	22.2	22.2				
>0	20.3	21.8	22.2	22.2	22.2	22.2	22.2	22.2				
TOTAL	33	57	58	58	58	58	58	58				

TOTAL NUMBER OF OBS: 261

PCT FREQ NH <5/8: 77.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
5.8	16.3	23.6	19.2	13.0	8.3	5.8	3.6	4.3	.0	276

JUNE

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
7.25 14.2W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4
	TOT %	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	.4
5<10	PCP	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	1.4	1.4
	NO PCP	.0	.0	1.2	.9	.0	.0	.0	.0	.0	.0	2.1	2.1
	TOT %	.0	.0	1.2	2.3	.0	.0	.0	.0	.0	.0	3.5	3.5
10+	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.4
	NO PCP	.0	.8	23.5	67.6	3.9	.0	.0	.0	.0	.0	95.8	95.8
	TOT %	.0	.8	23.5	68.0	3.9	.0	.0	.0	.0	.0	96.1	96.1
TOT OBS													284
TOT PCT													.0 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	.3
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	1.0	1.0
	11-21	.0	.0	.8	1.4	.0	.0	.0	.0	.0	.0	2.2	2.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	1.1	2.1	.0	.0	.0	.0	.0	.0	3.2	3.2
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.3	6.4	22.7	2.0	.0	.0	.0	.0	.0	31.4	31.4
	11-21	.0	.4	14.7	40.6	1.7	.0	.0	.0	.0	.0	57.4	57.4
	22+	.0	.0	1.3	6.1	.3	.0	.0	.0	.0	.0	7.7	7.7
	TOT %	.0	.7	22.4	69.4	4.0	.0	.0	.0	.0	.0	96.5	96.5
TOT OBS													312
TOT PCT													.0 100.0

JUNE

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1859-1975AREA 0023 ASCENSION
7.25 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	2.7	1.4	2.7	5.4	.0	1.4	.0	.0	13.5	86.5	74
06009	.0	.0	.0	10.8	12.3	3.1	4.6	.0	.0	.0	30.8	69.2	65
12015	.0	.0	.0	7.6	11.4	2.5	.0	.0	1.3	.0	22.8	77.2	79
18021	.0	.0	.0	7.3	5.5	5.5	.0	.0	.0	.0	18.2	81.8	55
TOT	0	0	2	18	22	11	3	1	1	0	58	215	273
PCT	.0	.0	.7	6.6	8.1	4.0	1.1	.4	.4	.0	21.2	78.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	.0	4.7	95.3	85
06009	.0	.0	.0	.0	4.9	95.1	82
12015	.0	.0	.0	1.2	.0	98.8	83
18021	.0	.0	.0	.0	3.2	96.8	63
TOT	0	0	0	1	10	302	313
PCT	.0	.0	.0	.3	3.2	96.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	2.9	4.4	10.3	85.3	68
06009	.0	.0	10.9	20.3	68.8	64
12015	.0	.0	7.8	15.6	76.6	77
18021	.0	.0	7.7	11.5	80.8	52
TOT	0	2	20	38	203	261
PCT	.0	.8	7.7	14.6	77.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.8	.4	1.2	.0	.4	7	2.7
80/84	.0	.0	.0	.4	15.0	12.7	2.3	1.2	82	31.5
75/79	.0	.0	.0	.0	7.7	33.5	15.4	5.8	162	62.3
70/74	.0	.0	.0	.0	.0	.4	1.9	1.2	9	3.5
TOTAL	0	0	0	3	60	124	51	22	260	100.0
PCT	.0	.0	.0	1.2	23.1	47.7	19.6	8.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.7	1.7	.3	.0	.0	.0	.0	.0
.0	.5	7.4	22.7	1.0	.0	.0	.0	.0	.0
.0	.4	16.4	43.3	2.2	.0	.0	.0	.0	.0
.0	.0	.9	2.6	.0	.0	.0	.0	.0	.0
.0	.9	25.4	70.3	3.5	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	80	77	75	74	74	77.3	197
06009	82	81	80	77	74	74	71	77.3	365
12015	89	87	85	80	77	75	72	80.2	367
18021	86	85	81	78	74	74	74	78.3	311
TOT	89	85	83	78	75	74	71	78.4	1240

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	10.0	52.9	28.6	8.6	78	70
06009	.0	.0	10.4	44.8	32.8	11.9	79	67
12015	.0	2.7	38.4	47.9	5.5	5.5	71	73
18021	.0	2.0	35.3	45.1	9.8	7.8	73	51
TOT	0	3	60	125	51	22	76	261

JUNE

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

TABLE 17

AREA 0023 ASCENSION
7.25 14.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	WD FEG
9/10	.0	.0	.4	.0	.0	1	.0	.4
7/8	.0	.0	.4	.0	.7	3	.0	1.1
6	.0	.0	.0	.0	.7	2	.0	.7
5	.0	.0	.4	.4	.0	2	.0	.7
4	.0	.0	.7	1.1	1.1	8	.0	3.0
3	.0	.0	.7	3.4	.0	11	.0	4.1
2	.0	.4	.7	3.4	.4	13	.0	4.9
1	.0	1.1	5.2	3.4	.0	26	.4	9.4
0	.0	.0	10.1	2.2	.0	33	.0	12.4
-1	.0	3.0	12.4	2.6	.0	48	.0	18.0
-2	.0	4.1	13.1	1.5	.0	50	.0	18.7
-3	.0	1.9	9.7	.4	.0	32	.0	12.0
-4	.0	2.6	6.0	.0	.0	23	.0	8.6
-5	.0	1.1	1.5	.0	.0	7	.0	2.6
-6	.0	1.1	.7	.0	.0	5	.0	1.9
-7/-8	.0	.4	.4	.0	.0	2	.0	.7
-9/-10	.4	.0	.0	.0	.0	1	.0	.4
TOTAL	1		167		8		1	266
PCT		42		49		267		
	.4	15.7	62.5	18.4	3.0	100.0	.4	99.6

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	2.1	.0	.0	.0	.0	2.1
1-2	.0	3.6	3.8	.0	.0	.0	7.3	.0	3.6	3.4	.0	.0	.0	7.0
3-4	.0	2.9	9.1	.7	.0	.0	12.7	.0	5.7	20.9	.7	.0	.0	27.3
5-6	.0	.0	4.3	.0	.0	.0	4.3	.0	.7	14.5	1.4	.0	.0	16.6
7	.0	.0	2.0	.0	.0	.0	2.0	.0	4.3	6.6	.0	.0	.0	10.9
8-9	.0	.0	.0	.7	.0	.0	.7	.0	1.4	.7	.7	.0	.0	2.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.0	1.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.4	20.5	1.4	.0	.0	28.4	.0	17.9	45.1	3.6	.7	.0	68.2

PERIOD: (OVER-ALL) 1963-1975

JUNE

AREA 0023 ASCENSION
7.25 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.7	1.3	.7	.0	.0	2.7	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.7	2.1	.0	.0	.0	.0	2.8	
1-2	.0	7.8	7.8	.0	.0	.0	15.6	
3-4	.0	8.5	30.5	1.4	.0	.0	40.4	
5-6	.0	.7	19.1	1.4	.0	.0	21.3	
7	.0	4.3	8.5	.7	.0	.0	13.5	
8-9	.0	1.4	.7	1.4	.0	.0	3.5	
10-11	.0	.0	.0	.7	.0	.0	1.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	1.4	.0	.0	.0	1.4	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	24.8	68.1	5.7	.7	.0	100.0	141

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	6.8	14.0	10.9	3.6	4.1	.9	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91
6-7	.0	.9	6.3	14.9	5.9	4.1	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72
8-9	.0	.0	4.1	3.2	5.4	2.3	1.4	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39
10-11	.0	.0	1.8	.5	.0	.9	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10
12-13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0
INDET	.3	.9	1.4	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2
TOTAL	1	19	61	67	34	25	7	5	2	0	0	0	0	0	0	0	0	0	0	0	221
PCT	.3	8.6	27.6	30.3	15.4	11.3	3.2	2.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

JULY

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

TABLE 1

AREA 0023 ASCENSION
7.25 14.1W

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.7	.0	.0	.0	.0	.0	1.7	1.0	.0	.0	.0	1.0	.0	96.3
SE	.0	.8	.5	.0	.0	.0	.0	1.2	2.8	.0	.0	.0	.1	.0	95.8
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.0	1.0	.3	.0	.0	.0	.0	1.3	2.6	.0	.0	.0	.3	.0	95.8
TOT OBS:	306														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT 08 TIME	PCPN PAST HOUR	THOR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	4.9	.0	.0	.0	.0	.0	95.1
06009	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
12019	.0	2.2	1.1	.0	.0	.0	.0	3.5	4.3	.0	.0	.0	1.1	.0	91.3
18021	.0	1.3	.0	.0	.0	.0	.0	1.3	1.3	.0	.0	.0	.0	.0	97.4
TOT PCT TOT OBS:	.0	1.0	.3	.0	.0	.0	.0	1.3	2.6	.0	.0	.0	.3	.0	95.8

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.4	.5	.0	.0	.0		.9	11.6	.6	.0	.7	1.0	.8	.0	.9	.9	2.2
E	.2	4.9	11.9	1.8	.0	.0		18.9	14.3	16.5	.0	20.3	15.8	20.1	50.0	17.9	19.3	
SE	.1	12.8	53.0	8.2	.0	.0		74.2	15.2	76.9	100.0	72.3	73.1	74.2	50.0	76.6	71.5	
S	.0	1.3	4.1	.3	.0	.0		5.8	13.6	6.0	.0	6.6	10.2	4.5	.0	4.0	6.9	
SW	.0	.0	.1	.0	.0	.0		.1	13.0	.0	.0	.0	.0	.3	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.2	.0	.0	.0	.0	.0		.2	.0	.0	.0	.0	.0	.3	.0	.6	.0	
TOT OBS	6	230	825	123	0	0	1184		14.9	167	1	207	103	394	2	173	137	
TOT PCT	.5	19.4	69.7	10.4	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.8	.1	.0	.0	.0	.0	.9	11.6	.6	.0	.8	1.5
E	1.4	10.5	6.6	.9	.0	.0	.0	18.9	14.3	16.4	18.8	20.2	18.5
SE	1.2	42.7	29.0	1.3	.0	.0	.0	74.2	15.2	77.1	72.6	74.1	74.4
S	.3	4.0	1.5	.0	.0	.0	.0	5.8	13.6	6.0	7.8	4.5	5.3
SW	.0	.1	.0	.0	.0	.0	.0	.1	13.0	.0	.0	.3	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.3	.3
TOT OBS	37	887	441	19	0	1184		14.9	168	310	396	310	310
TOT PCT	3.1	58.0	37.2	1.6	.0		100.0		100.0	100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1955-1975

JULY

AREA 0023 ASCENSION
7.25 14.1W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GNT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	21.4	67.3	11.3	.0	.0	15.0	100.0	168
06009	.0	1.0	20.0	68.4	10.6	.0	.0	14.6	100.0	310
12015	.3	.3	16.2	72.2	11.1	.0	.0	15.2	100.0	396
18021	.3	.0	21.9	69.0	8.7	.0	.0	14.7	100.0	310
TOT	2	4	230	825	123	0	0	14.9		1184
PCT	.2	.3	19.4	69.7	10.4	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	9.5	7.6	7.2	.4		3.3
SE	23.1	19.2	23.2	7.1		4.0
S	.9	.0	1.3	.0		3.9
SW	.0	.0	.0	.4		8.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	90	72	85	21	268	3.8
TOT PCT	33.5	26.9	31.7	7.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NM <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.4	.4	2.5	.8	.2	.0	.0	.0	20.4	.0
.0	.0	.4	4.1	9.1	4.8	.9	.0	.0	.0	53.0	.4
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	1.6	.0
.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	2	12	35	15	3	0	0	2	201	268
.0	.0	.7	4.5	12.3	5.6	1.1	.0	.0	.7	75.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.7	.7	.7	.7	.7	.7	.7	.7
>5000	.7	.7	.7	.7	.7	.7	.7	.7
>3500	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
>2000	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
>1000	19.0	19.0	19.0	19.3	19.7	19.7	19.7	19.7
>600	23.0	23.4	23.4	23.8	24.2	24.2	24.2	24.2
>300	23.8	24.2	24.2	24.5	24.9	24.9	24.9	24.9
>150	23.8	24.2	24.2	24.5	24.9	24.9	24.9	24.9
>0	23.8	24.2	24.2	24.5	24.9	24.9	24.9	24.9
TOTAL	64	65	65	66	67	67	67	67

TOTAL NUMBER OF OBS: 269

PCT FREQ NM <5/8: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.9	15.2	21.2	20.5	19.4	6.0	8.8	4.6	5.3	.0	243

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

JULY

AREA 0023 ASCENSION
7.25 14.14

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.2	.5	.0	.0	.0	.0	.0	.0	.7	.7
	NO PCP	.0	.0	1.2	4.0	.0	.0	.0	.0	.0	.0	5.2	5.2
	TOT %	.0	.0	1.4	4.5	.0	.0	.0	.0	.0	.0	5.9	5.9
10+	PCP	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.3	.3
	NO PCP	.0	.0	22.6	67.4	2.8	.0	.0	.0	.0	.3	93.1	93.1
	TOT %	.0	.0	22.9	67.5	2.8	.0	.0	.0	.0	.3	93.5	93.5
TOT OBS													306
TOT PCT		.0	.0	24.3	72.3	2.8	.3	.0	.0	.0	.3	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3	.3
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.7	2.4	.0	.0	.0	.0	.0	.0	3.1	3.1
	11-21	.0	.0	.6	1.5	.0	.0	.0	.0	.0	.0	2.2	2.2
	22+	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	1.3	4.3	.0	.0	.0	.0	.0	.0	5.6	5.6
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.3	.3
	4-10	.0	.0	8.2	18.0	1.9	.0	.0	.0	.0	.0	28.2	28.2
	11-21	.0	.0	14.6	46.3	1.0	.0	.0	.0	.0	.0	61.9	61.9
	22+	.0	.0	.5	2.9	.0	.0	.0	.0	.0	.0	3.4	3.4
	TOT %	.0	.0	23.4	67.2	2.9	.0	.0	.0	.0	.3	93.8	93.8
TOT OBS													323
TOT PCT		.0	.0	24.7	71.7	2.9	.3	.0	.0	.0	.3	100.0	

JULY

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
7.25 14.1W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	7.5	3.8	1.9	.0	.0	.0	.0	13.2	86.8	53
06009	.0	.0	1.4	4.2	15.5	4.2	1.4	.0	.0	2.8	29.6	70.4	71
12015	.0	.0	1.2	3.5	9.4	7.1	.0	.0	.0	.0	21.2	78.8	85
18021	.0	.0	.0	2.8	16.9	7.0	2.8	.0	.0	.0	29.6	70.4	71
TOT	0	0	2	12	33	15	3	0	0	2	67	213	280
PCT	.0	.0	.7	4.3	11.8	5.4	1.1	.0	.0	.7	23.9	76.1	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
(GMT)							
00003	.0	.0	.0	.0	3.2	96.8	63
06009	.0	.0	.0	.0	4.8	95.2	84
12015	.0	1.0	1.0	.0	4.2	93.8	96
18021	.0	.0	.0	.0	9.8	90.2	82
TOT	0	1	1	0	18	305	325
PCT	.0	.3	.3	.0	5.5	93.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HR	<150 <50YD	<600 <1	<1000 <5	1000+ AND5+	NH <5/8 AND 5+	TOTAL OBS
(GMT)						
00003	.0	.0	7.8	5.9	86.3	51
06009	.0	1.5	6.2	26.2	67.7	63
12015	.0	2.4	7.2	14.5	78.3	83
18021	.0	.0	2.9	27.1	70.0	70
TOT	0	3	16	51	202	269
PCT	.0	1.1	5.9	19.0	75.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
85/89	.0	.0	.0	.4	.4	.0	.0	.0	3	1.1
80/84	.0	.0	.0	1.8	4.4	4.0	1.5	.0	32	11.6
75/79	.0	.0	.0	1.1	14.9	39.6	12.4	3.3	196	71.3
70/74	.0	.0	.0	.7	1.1	4.7	6.5	2.5	43	15.6
TOTAL	0	0	0	12	57	134	56	16	275	100.0
PCT	.0	.0	.0	4.4	20.7	48.7	20.4	5.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.4	.0	.0	.0	.0	.0
85/89	.0	.0	.0	.1	.4	.0	.0	.0	.0
80/84	.0	.0	3.3	8.4	.0	.0	.0	.0	.0
75/79	.0	.0	16.6	51.4	2.5	.4	.0	.0	.4
70/74	.0	.0	4.1	11.4	.2	.0	.0	.0	.0
TOTAL	.0	.0	24.6	71.5	3.1	.4	.0	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
(GMT)									
00003	79	78	77	75	73	71	71	75.3	132
06009	81	79	78	75	73	71	70	75.4	293
12015	90	85	83	78	75	74	71	78.4	384
18021	85	82	80	76	73	72	66	76.6	292
TOT	90	84	81	76	73	72	66	76.7	1121

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
(GMT)										
00003	.0	.0	.0	.4	.0	.0	.0	.0	78	53
06009	.0	.0	.0	15.9	50.7	27.5	5.8	.7	77	69
12015	.0	12.0	32.5	37.3	13.3	4.8	.7	.7	71	83
18021	.0	2.9	20.3	53.6	20.3	2.9	.7	.7	74	69
TOT	0	12	57	135	56	16	.7	.7	276	

JULY

PERIOD: (PRIMARY) 1865-1975
(OVER-ALL) 1855-1975

TABLE 17

AREA 0023 ASCENSION
7.25 14.1WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	83 88	89 92	TOT	% FOG	NO FOG
11/13	.0	.0	.0	.0	.0	.4	1	.0	.4
9/10	.0	.0	.4	.0	.7	.0	3	.0	1.1
7/8	.0	.0	.4	1.1	.0	.0	4	.0	1.4
6	.0	.0	.4	1.1	.0	.0	4	.0	1.4
5	.0	.0	.7	.0	.0	.0	2	.0	.7
4	.0	.7	.4	1.4	.0	.0	7	.0	2.5
3	.0	1.1	1.4	1.1	.0	.0	10	.0	3.6
2	.0	1.4	6.1	1.1	.4	.0	25	.0	8.9
1	.0	3.6	3.9	.7	.0	.0	23	.0	8.2
0	.0	7.5	9.3	.4	.0	.0	48	.0	17.1
-1	.0	7.1	7.5	.0	.0	.0	41	.0	14.6
-2	.4	12.1	5.0	.0	.0	.0	49	.0	17.5
-3	1.1	8.2	1.1	.0	.0	.0	29	.0	10.4
-4	.7	6.1	.4	.0	.0	.0	20	.0	7.1
-5	.0	3.9	.0	.0	.0	.0	11	.0	3.9
-6	.0	.4	.0	.0	.0	.0	1	.0	.4
-7/-8	.4	.4	.0	.0	.0	.0	2	.0	.7
TOTAL	7	147	103	19	3	1	280	0	280
PCT	2.5	52.5	36.8	6.8	1.1	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.6
1-2	.0	4.7	1.2	.0	.0	.0	5.9	.0	5.9	5.4	.0	.0	.0	11.9
3-4	.0	3.6	8.7	.0	.0	.0	12.3	.0	6.8	21.4	.0	.0	.0	28.2
5-6	.0	.6	4.1	.5	.0	.0	5.1	.0	1.2	15.8	.8	.0	.0	17.8
7	.0	.0	2.7	.0	.0	.0	2.7	.0	.0	6.3	1.2	.0	.0	7.5
8-9	.0	.0	1.4	.0	.0	.0	1.4	.0	.0	2.9	.0	.0	.0	2.9
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	1.2
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.5	18.1	.5	.0	.0	28.0	.0	14.5	52.4	2.6	.0	.0	69.4

PERIOD: (OVER-ALL) 1963-1975

JULY

AREA 0023 ASCENSION
7.25 14.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.1	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.0	.0	.0	.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.6	1.2	.0	.0	.0	.0	1.8	
1-2	.0	11.4	6.6	.0	.0	.0	18.1	
3-4	.0	11.4	30.1	.0	.0	.0	41.6	
5-6	.0	1.8	19.9	1.2	.0	.0	22.9	
7	.0	.0	9.0	1.2	.0	.0	10.2	
8-9	.0	.0	4.2	.0	.0	.0	4.2	
10-11	.0	.0	.6	.6	.0	.0	1.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.6	25.9	70.5	3.0	.0	.0	100.0	166

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	5.3	12.8	9.1	3.3	1.2	.8	.0	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83
6-7	.0	.0	8.2	12.8	8.2	2.5	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79
8-9	.0	.0	.8	3.7	4.5	7.0	.8	.8	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	46
10-11	.0	.4	.4	.8	1.2	.4	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12
12-13	.0	.0	.0	.8	.8	.0	.4	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7
>13	.0	.0	.0	.8	.4	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5
INDPT	.4	1.2	.8	.4	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11
TOTAL	2	17	56	69	47	30	12	2	8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	243
PCT	.8	7.0	23.0	28.4	19.3	12.3	4.9	.8	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

PERIOD: (PRIMARY) 1962-1975
(OVER-ALL) 1955-1975

AUGUST

AREA 0023 ASCENSION
7.25 14.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	99.2
SE	1.0	.4	.4	.0	.0	.0	.0	1.4	2.7	.0	.0	.0	.0	95.9
S	5.6	.0	.0	.0	.0	.0	.0	5.6	.0	.0	.0	.0	.0	94.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	.3	.3	.0	.0	.0	.0	1.2	2.1	.0	.0	.0	.0	96.8
TOT OBS:	339													

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SIG
00003	2.4	1.2	.0	.0	.0	.0	.0	3.7	1.2	.0	.0	.0	.0	95.1
06009	.0	.0	.0	.0	.0	.0	.0	.0	2.6	.0	.0	.0	.0	97.4
12015	1.0	.0	1.0	.0	.0	.0	.0	1.0	2.1	.0	.0	.0	.0	96.9
18021	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	.0	97.6
TOT PCT	.9	.3	.3	.0	.0	.0	.0	1.2	2.1	.0	.0	.0	.0	96.8
TOT OBS:	341													

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+				00	03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0		.1	9.0	.0	.0	.0	.0	.3	.0	.0	.0
NE	.0	.2	.3	.0	.0	.0		.5	12.4	.5	.0	.0	.0	.9	.0	.0	1.2
E	.2	5.0	14.9	1.9	.0	.0	22.0	14.8	23.7	.0	20.1	21.6	23.1	30.0	21.1	20.0	
SE	.1	14.0	51.2	6.1	.0	.0	71.3	14.7	69.1	.0	71.5	74.3	70.3	30.0	74.0	72.1	
S	.0	.8	4.3	.8	.0	.0	5.8	15.2	6.6	.0	7.5	4.1	5.2	.0	4.5	6.7	
SW	.0	.0	.3	.0	.0	.0	.3	15.0	.0	.0	.8	.0	.2	.0	.4	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	2	190	675	83	0	0	950	14.8	138	0	180	74	303	2	129	104	
TOT PCT	.2	20.0	71.1	8.7	.0	.0	100.0		100.0	.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	09	12
N	.0	.1	.0	.0	.0		.1	9.0	.0	.0	.3	.0	.0
NE	.0	.4	.1	.0	.0		.5	12.4	.5	.0	.9	.0	.5
E	1.3	11.4	8.8	.4	.0	22.0	14.8	23.7	20.6	23.3	20.6		
SE	1.7	44.9	23.9	.9	.0	71.3	14.7	69.1	72.3	70.2	73.2		
S	.0	3.8	2.0	.1	.0	5.8	15.2	6.6	6.5	5.2	5.5		
SW	.0	.2	.1	.0	.0	.3	15.0	.0	.6	.2	.2		
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
TOT OBS	28	577	332	13	0	950	14.8	138	254	305	233		
TOT PCT	2.9	60.7	34.9	1.4	.0	100.0		100.0	100.0	100.0	100.0		

PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975

AUGUST

AREA 0023 ASCENSION
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	.0	.0	18.4	72.2	9.5	.0	.0	.0	14.8	100.0	158
0600	.0	.4	20.5	68.1	11.0	.0	.0	.0	14.8	100.0	234
1200	.0	.3	22.0	70.8	6.9	.0	.0	.0	14.6	100.0	305
1800	.0	.0	18.0	73.8	8.2	.0	.0	.0	14.9	100.0	233
TOT	.0	.2	19.0	67.5	8.3	.0	.0	.0	14.8		920
PCT	.0	.2	20.0	71.1	8.7	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & UBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.1	.0		7.0
E	8.0	7.3	5.2	4.3		4.1
SE	17.6	15.9	25.5	11.9		4.6
S	1.1	.6	1.6	.5		4.8
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	75	67	93		282	4.5
TOT PCT	26.6	23.8	33.0	16.7	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
E	.0	.0	.0	1.4	2.8	2.0	.3	.5	.0	.0	.0	18.3
SE	.4	.0	.0	6.4	12.4	5.9	2.2	1.6	.0	.0	.0	41.9
S	.0	.0	.0	.0	1.1	.5	.0	.0	.0	.0	.0	2.2
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	1	0	0	22	46	24	7	6	0	0	0	176
TOT PCT	.4	.0	.0	7.8	16.3	8.5	2.5	2.1	.0	.0	.0	62.4

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	= OR >10	= OR >5	= OR >2	VSBY (NM)				= OR >50YD	= OR >0
				= OR >1	= OR >1/2	= OR >1/4			
= OR >6500	.0	.0	.0	.0	.0	.0	.0	.0	.0
= OR >5000	1.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
= OR >3500	4.3	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
= OR >2000	12.8	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
= OR >1000	27.7	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
= OR >600	35.5	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
= OR >300	35.5	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
= OR >150	35.5	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
= OR >0	35.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
TOTAL	101	106	106	106	106	106	106	106	106

TOTAL NUMBER OF OBS: 262

PCT FREQ NH <5/8: 62.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	UBSCD	TOTAL OBS
5.7	11.5	18.6	14.9	11.1	8.4	8.1	8.8	12.8	.0	296

PERIOD: (PRIMARY) 1802-1975
(OVER-ALL) 1855-1975

AUGUST

AREA 0023 ASCENSION
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	1.0	4.6	.0	.0	.0	.0	.0	.0	5.6	
	TOT %	.0	.0	1.0	4.6	.0	.0	.0	.0	.0	.0	5.6	
10+	PCP	.0	.0	.0	1.0	.2	.0	.0	.0	.0	.0	1.2	
	NO PCP	.0	.2	25.1	62.9	3.8	.6	.0	.0	.0	.0	92.6	
	TOT %	.0	.2	25.1	63.9	4.0	.6	.0	.0	.0	.0	93.8	
TOT OBS													339
TOT PCT		.0	.2	26.2	69.0	4.0	.6	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
5<10	0-3	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.6	4.1	.0	.0	.0	.0	.0	.0	4.7	
	22+	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	1.0	4.5	.0	.0	.0	.0	.0	.0	5.5	
10+	0-3	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.1	9.2	16.5	1.2	.0	.0	.0	.0	.0	27.0	
	11-21	.0	.1	15.0	46.1	2.8	.6	.0	.0	.0	.0	64.5	
	22+	.0	.0	.6	1.5	.0	.0	.0	.0	.0	.0	2.0	
	TOT %	.0	.2	25.1	64.1	3.9	.6	.0	.0	.0	.0	93.9	
TOT OBS													344
TOT PCT		.0	.2	26.1	69.2	3.9	.6	.0	.0	.0	.0	100.0	

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PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
7.25 14.14

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >478) AND
OCCURRENCE OF NH <578 BY HOUR

HOUR (GMT)	000 149	150 289	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <578 ANY HGT	TOTAL OBS
00003	1.4	.0	.0	7.0	16.9	7.0	2.8	2.8	.0	.0	38.0	62.0	71
06009	.0	.0	.0	8.6	12.1	3.4	1.7	1.7	.0	.0	27.6	72.4	58
12015	.0	.0	.0	9.5	20.2	15.5	2.4	2.4	.0	.0	50.0	50.0	84
18021	.0	.0	.0	5.3	13.2	5.3	2.6	1.3	.0	.0	27.6	72.4	76
TOT	1	0	0	22	46	24	7	6	0	0	106	183	289
PCT	.3	.0	.0	7.6	15.9	8.3	2.4	2.1	.0	.0	36.7	63.3	100.0

TABLE 11

PERCENT FREQUENCY VSPY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	1.2	.0	3.7	95.1	82
06009	.0	.0	.0	.0	6.4	93.6	78
12015	.0	.0	.0	.0	4.1	95.9	98
18021	.0	.0	.0	1.1	9.1	89.8	88
TOT	0	0	1	1	20	324	346
PCT	.0	.0	.3	.3	5.8	93.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSPY (NH) AND/OR
CEILING HGT (FEET, NH >478), BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <578 AND 5+	TOTAL OBS
00003	1.5	1.5	10.3	30.9	58.8	68
06009	.0	.0	8.8	19.3	71.9	57
12015	.0	.0	9.6	41.0	49.4	83
18021	.0	.0	5.4	23.0	71.6	74
TOT	1	1	24	83	175	282
PCT	.4	.4	8.5	29.4	62.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.6	.6	.3	.3	.0	.0	6	1.9
80/84	.0	.0	.0	1.3	5.8	1.9	1.6	.0	33	10.7
75/79	.0	.0	.0	1.0	11.0	24.0	9.7	4.9	156	50.6
70/74	.0	.0	.0	.0	3.6	16.2	11.7	4.9	112	36.4
65/69	.0	.0	.0	.0	.0	.0	.0	.3	1	.3
TOTAL	0	0	2	9	64	131	71	31	308	100.0
PCT	.0	.0	.6	2.9	20.8	42.5	23.1	10.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.8	.9	.2	.0	.0	.0	.0	.0
80/84	.0	.0	3.1	7.4	.2	.0	.0	.0	.0	.0
75/79	.0	.2	14.8	33.1	2.6	.0	.0	.0	.0	.0
70/74	.0	.1	8.5	27.0	.7	.0	.0	.0	.0	.0
65/69	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0
TOTAL	.0	.2	27.2	68.8	3.8	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	77	77	74	71	70	69	74.1	155
06009	79	78	77	74	71	69	67	74.0	246
12015	88	86	82	76	73	71	69	77.6	300
18021	88	86	81	75	72	69	68	75.7	229
TOT	88	84	80	75	72	69	67	75.4	930

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	1.3	7.9	52.6	27.6	10.5	78	76
06009	.0	1.4	8.7	42.0	33.3	14.5	80	69
12015	.0	7.0	30.2	41.9	14.0	7.0	73	86
18021	.0	3.8	34.6	33.3	19.2	9.0	74	78
TOT	0	11	65	131	71	31	76	309

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PERIOD: (PRIMARY) 1862-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
14/16	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.7	2	.0	.7
9/10	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.0	.0	2.0	.3	7	.0	2.3
6	.0	.0	.7	1.0	.3	6	.0	2.0
5	.0	.7	1.0	2.3	.0	12	.0	3.9
4	.0	.0	4.2	1.6	.0	18	.0	5.9
3	.0	.3	3.6	.3	.0	13	.0	4.2
2	.0	3.3	1.6	.0	.0	15	.0	4.9
1	.3	3.3	3.9	.0	.0	23	.0	7.5
0	.0	14.4	4.9	.0	.0	59	.0	19.3
-1	.0	13.7	2.6	.0	.0	50	.0	16.3
-2	.3	8.8	.3	.0	.0	29	.0	9.5
-3	1.0	6.2	.7	.0	.0	24	.0	7.8
-4	1.6	7.2	.3	.0	.0	28	.0	9.2
-5	1.0	2.9	.0	.0	.0	12	.0	3.9
-6	.0	.7	.0	.0	.0	2	.0	.7
-7/-8	1.0	.0	.0	.0	.0	3	.0	1.0
-11/-13	.3	.0	.0	.0	.0	1	.0	.3
TOTAL	17		73		6	306	0	306
PCT	5.6	61.4	23.9	7.2	2.0	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.6	.0	.0	.0	.0	.6	.0	.6	.0	.0	.0	.0	.6
1-2	.0	4.0	.9	.0	.0	.0	4.9	.0	6.7	9.7	.0	.0	.0	16.4
3-4	.0	2.4	8.6	.0	.0	.0	11.0	.0	7.4	15.3	.0	.0	.0	22.8
5-6	.0	.9	9.4	.0	.0	.0	10.3	.0	2.1	11.8	.0	.0	.0	13.8
7	.0	.0	1.3	.6	.0	.0	1.9	.0	.0	8.8	1.2	.0	.0	10.0
8-9	.0	.0	.4	.0	.0	.0	.4	.0	.0	2.2	.0	.0	.0	2.2
10-11	.0	.0	.6	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	.6
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	7.9	21.3	.6	.0	.0	29.8	.0	16.8	48.4	1.2	.0	.0	66.4

PERIOD: (OVER-ALL) 1963-1975

AUGUST

AREA 0023 ASCENSION
7.25 14.1W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.9	2.8	.0	.0	.0	3.7	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	1.2	.0	.0	.0	.0	1.2	
1-2	.0	10.7	10.7	.0	.0	.0	21.4	
3-4	.0	10.7	24.4	.0	.0	.0	35.1	
5-6	.0	3.0	22.6	.0	.0	.0	25.6	
7	.0	.0	10.1	1.8	.0	.0	11.9	
8-9	.0	.0	3.6	.0	.0	.0	3.6	
10-11	.0	.0	1.2	.0	.0	.0	1.2	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	25.6	72.6	1.8	.0	.0	100.0	168

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.8	4.8	19.4	8.7	5.6	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	4
6-7	.0	.8	6.7	10.7	7.5	3.6	2.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	6
8-9	.0	.0	2.4	5.6	3.6	2.8	2.8	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	47	7
10-11	.0	.0	.0	.4	.8	1.6	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	10	8
12-13	.0	.0	.0	.4	.0	.8	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	9
>13	.0	.0	.0	.0	.4	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
INDET	.0	.8	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
TOTAL	2	16	72	66	46	28	14	3	5	0	0	0	0	0	0	0	0	0	0	292	5
PCT	.8	6.3	28.6	26.2	18.3	11.1	5.6	1.2	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1853-1975

AREA 0023 ASCENSION
7.15 14.2H

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
E	3.9	2.0	.0	.0	.0	.0	.0	5.9	.0	.0	.0	.0	.0	.0	100.0
SE	.0	2.5	.4	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	.4	92.1
S	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	66.7	.0	.0	.0	.0	.0	33.3
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.3	.3	.0	.0	.0	.0	3.2	3.2	.0	.0	.0	.6	.3	92.6
TOT OBS:	310														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	3.9	.0	.0	.0	.0	.0	3.9	6.6	.0	.0	.0	.0	.0	89.5
06009	1.1	3.4	1.1	.0	.0	.0	.0	5.6	1.1	.0	.0	.0	1.1	.0	92.1
12015	1.2	.0	.0	.0	.0	.0	.0	1.2	2.4	.0	.0	.0	.0	.0	96.4
18021	.0	1.6	.0	.0	.0	.0	.0	1.6	3.2	.0	.0	.0	1.6	1.6	91.9
TOT PCT	.6	2.3	.3	.0	.0	.0	.0	3.2	3.2	.0	.0	.0	.6	.3	92.6
TOT OBS:	311														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.2	*	.0	.0	.0		.3	6.6	.8	.0	.8	.0	.0	.3	.0	.0	.0
E	.0	3.0	11.0	1.5	.0	.0		15.5	15.0	14.4	.0	15.0	16.4	17.3	20.0	15.7	12.5	.0
SE	*	19.9	54.4	5.4	.0	.0		79.7	14.3	79.1	100.0	79.9	80.5	78.2	70.0	80.5	82.1	.0
S	*	1.1	2.6	.5	.0	.0		4.2	14.8	5.8	.0	3.8	3.2	3.7	.0	3.8	5.4	.0
SW	.0	.1	*	.0	.0	.0		.1	8.3	.0	.0	.0	.0	.5	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.1	.0	.0	.0	.0		.1	5.0	.0	.0	.5	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0							.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	2	232	704	76	0	0	1034		14.4	165	3	192	110	294	5	145	120	
TOT PCT	.2	24.4	68.1	7.4	.0	.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.2	.1	*	.0	.0	.0	.3	6.6	.7	.5	.3	.3	.0
E	.6	8.5	6.3	.1	.0	.0	15.5	15.0	14.1	15.5	17.6	14.2	.0
SE	3.3	46.7	29.4	.3	.0	.0	79.7	14.3	79.5	80.1	78.1	81.2	.0
S	*	2.4	1.7	.0	.0	.0	4.2	14.8	5.7	3.6	3.6	4.5	.0
SW	.1	*	.0	.0	.0	.0	.1	8.3	.0	.0	.5	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.1	.0	.0	.0	.0	.0	.1	5.0	.0	.3	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0					.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	45	597	388	4	0	1034		14.4	168	302	299	263	
TOT PCT	4.4	57.7	37.5	.4	.0	100.0			100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.1S 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	.0	.0	23.8	66.7	9.5	.0	.0	.0	14.8	100.0	168
0600	.0	.7	26.2	64.2	8.9	.0	.0	.0	14.5	100.0	302
1200	.0	.0	22.1	71.9	6.0	.0	.0	.0	14.1	100.0	299
1800	.0	.0	25.3	69.1	5.7	.0	.0	.0	14.3	100.0	265
TOT	.0	.2	25.2	70.4	7.6	.0	.0	.0	14.4		1034
PCT	.0	.2	24.4	68.1	7.4	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0	.0	.0
NE	.6	.2	.0	.0	.0	3.3
E	4.6	2.8	6.4	4.9		5.0
SE	9.4	15.7	27.3	23.9		5.5
S	.6	.3	1.0	.8		5.1
SW	.0	.0	.2	.4		7.0
W	.0	.0	.0	.0		.0
NW	.4	.0	.0	.0		2.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	38	46	35	73	242	5.4
TOT PCT	15.7	19.0	35.1	30.2	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <4/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.8
E	.0	.0	1.1	1.3	4.2	2.3	.0	.0	.0	.0	.0	9.7
SE	.0	.0	.9	7.7	20.1	10.5	1.4	.4	.4	.8	.8	34.0
S	.0	.0	.0	.0	1.0	.6	.2	.0	.0	.0	.0	.9
SW	.0	.0	.0	.4	.0	.2	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	5	23	62	33	4	1	1	2	111	242
TOT PCT	.0	.0	2.1	9.5	25.6	13.6	1.7	.4	.4	.8	45.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >5000	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
= OR >3500	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
= OR >2000	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
= OR >1000	41.2	42.8	42.8	42.8	42.8	42.8	42.8	42.8
= OR >600	49.4	52.3	52.3	52.3	52.3	52.3	52.3	52.3
= OR >300	51.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
= OR >150	51.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
= OR >0	51.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3
TOTAL	124	132	132	132	132	132	132	132

TOTAL NUMBER OF OBS: 243

PCT FREQ NH <5/8: 45.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
5.0	7.0	11.6	11.6	10.5	8.5	13.6	8.5	23.6	.0	258

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.18 14.24

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.7	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.3	1.3	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	.0	.0	1.4	7.9	.5	.3	.0	.0	.0	.0	10.1	
	TOT %	.0	.0	1.7	9.2	.5	.3	.0	.0	.0	.0	11.7	
10+	PCP	.0	.0	.7	1.0	.0	.0	.0	.0	.0	.0	1.6	
	NO PCP	.0	1.1	14.3	66.9	3.1	.2	.0	.3	.0	.0	86.0	
	TOT %	.0	1.1	15.0	67.9	3.1	.2	.0	.3	.0	.0	87.6	
TOT OBS													307
TOT PCT		.0	1.1	16.7	77.8	3.6	.5	.0	.3	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.6	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	2.2	.0	.3	.0	.0	.0	.0	2.5	
	11-21	.0	.0	1.6	6.6	.5	.0	.0	.0	.0	.0	8.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	1.6	8.7	.5	.3	.0	.0	.0	.0	11.1	
10+	0-3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3	
	4-10	.0	.6	4.5	21.4	.2	.0	.3	.0	.0	.0	26.9	
	11-21	.0	.2	9.8	45.6	2.5	.2	.0	.0	.0	.0	58.2	
	22+	.0	.0	.9	1.6	.3	.0	.0	.0	.0	.0	2.8	
	TOT %	.0	1.1	15.2	68.6	2.9	.2	.0	.3	.0	.0	88.2	
TOT OBS													323
TOT PCT		.0	1.1	16.8	77.9	3.4	.5	.0	.3	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.15 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HR	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NH <1/8 ANY HGT	TOTAL OBS
(GMT)	149	299	599	999	1999	3499	4999	6499	7999				
00003	.0	.0	.0	12.3	24.6	10.5	3.5	1.8	.0	.0	52.6	47.4	57
06009	.0	.0	4.4	5.9	27.9	14.7	2.9	.0	1.5	1.5	58.8	41.2	68
12015	.0	.0	2.8	8.3	25.0	13.9	.0	.0	.0	1.4	51.4	48.6	72
18021	.0	.0	.0	11.3	20.8	15.1	.0	.0	.0	.0	47.2	52.8	53
TOT	0	0	5	23	62	34	4	1	1	2	132	118	250
PCT	.0	.0	2.0	9.2	24.8	13.6	1.6	.4	.4	.8	52.8	47.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HR	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL
(GMT)							OBS
00003	.0	.0	.0	.0	15.8	84.2	76
06009	.0	.0	1.1	.0	11.7	87.2	94
12015	.0	.0	.0	.0	9.7	94.3	87
18021	.0	.0	1.9	.0	11.9	86.6	67
TOT	0	0	2	0	36	286	324
PCT	.0	.0	.6	.0	11.1	88.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8), BY HOUR

HR	<150 <50VD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL
(GMT)						OBS
00003	.0	.0	12.7	41.8	45.5	55
06009	.0	4.5	10.6	50.0	59.4	66
12015	.0	2.9	11.4	41.4	47.1	70
18021	.0	.0	11.5	36.5	51.9	52
TOT	0	5	28	104	111	243
PCT	.0	2.1	11.5	42.8	45.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL	PCT
									OBS	FREQ
85/99	.0	.0	.0	.3	.3	.0	.0	.0	2	.7
80/84	.0	.0	.0	.0	.7	2.4	.3	.0	10	3.5
75/79	.0	.0	.0	.7	4.2	25.1	9.1	3.1	121	42.2
70/74	.0	.0	.0	.9	1.0	22.0	23.7	6.6	154	53.7
TOTAL	0	0	0	4	18	142	95	28	287	100.0
PCT	.0	.0	.0	1.4	6.3	49.5	33.1	9.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.7	.0	.0	.0	.0	.0	.0
.0	.1	1.5	1.9	.0	.0	.0	.0	.0	.0
.0	.3	7.3	32.3	1.9	.3	.0	.0	.0	.0
.0	.9	7.8	42.9	1.6	.2	.0	.3	.0	.0
.0	1.2	16.6	77.8	3.5	.5	.0	.3	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HR	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL
(GMT)									OBS
00003	76	75	75	74	70	66	65	73.3	161
06009	79	77	76	73	70	69	66	73.3	289
12015	87	82	80	76	73	72	70	76.5	291
18021	83	80	78	75	72	69	66	74.7	246
TOT	87	81	79	74	71	69	65	74.6	987

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HR	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL
(GMT)										OBS
00003	.0	1.4	2.8	44.4	34.7	16.7	81	72		
06009	.0	.0	2.5	45.7	39.5	12.3	80	81		
12015	.0	2.6	13.2	53.9	25.0	5.3	76	76		
18021	.0	1.7	8.5	54.2	32.2	3.4	77	59		
TOT	0	4	19	142	95	28	79	268		

SEPTEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
7.13 14.2W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	WD FPG
11/13	.0	.0	.0	.0	.3	1	.0	.3
9/10	.0	.0	.0	.0	.3	1	.0	.3
7/8	.0	.0	.3	.7	.0	3	.0	1.0
6	.0	.0	1.4	.0	.0	4	.0	1.4
5	.0	1.0	.7	.0	.0	5	.0	1.7
4	.0	.7	2.1	.0	.0	8	.0	2.8
3	.3	1.7	3.4	.0	.0	16	.0	5.5
2	.0	2.4	4.1	.0	.0	19	.0	6.6
1	.0	6.6	2.4	.0	.0	26	.0	9.0
0	.3	15.2	2.1	.0	.0	31	.0	17.6
-1	1.0	13.4	.7	.0	.0	44	.0	15.2
-2	3.4	11.7	.3	.0	.0	45	.0	15.5
-3	2.4	8.3	.0	.0	.0	31	.0	10.7
-4	4.8	2.8	.7	.0	.0	24	.0	8.3
-5	2.4	.3	.0	.0	.0	8	.0	2.8
-6	.7	.0	.0	.0	.0	2	.0	.7
-7/-8	.3	.3	.0	.0	.0	2	.0	.7
TOTAL	46	53	2	2	290	0	290	
PCT	15.9	64.5	18.3	.7	.7	100.0	100.0	

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.5	.3	.0	.0	.0	.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.7	2.0	.0	.0	.0	5.8	.0	8.3	6.8	.0	.0	.0	15.1
3-4	.0	2.0	6.6	1.0	.0	.0	10.0	.0	10.5	16.3	.7	.0	.0	27.6
5-6	.0	.0	3.1	.0	.0	.0	3.1	.0	2.0	19.7	.0	.0	.0	21.8
7	.0	.0	1.0	.0	.0	.0	1.0	.0	.0	7.1	.0	.0	.0	7.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.4	.0	.0	2.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.7
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	5.8	12.8	1.4	.0	.0	19.9	.0	20.9	51.4	2.7	.0	.0	75.0

PERIOD: (OVER-ALL) 1963-1975

SEPTEMBER

AREA 0023 ASCENSION
7.15 14.24

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.0	.0	.0	.0	.0		.0	.7	.0	.0	.0	.0	.0		.7
5-6	.0	.0	2.4	.0	.0	.0		2.4	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.5	.0	.0	.0		.5	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.7	.0	.0		.7	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	.0	2.9	.7	.0	.0		3.6	.0	.7	.0	.0	.0	.0		.7

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	12.2	8.8	.0	.0	.0	21.1	
3-4	.0	13.6	23.1	2.0	.0	.0	38.8	
5-6	.0	2.0	25.2	.0	.0	.0	27.2	
7	.0	.0	8.8	.0	.0	.0	8.8	
8-9	.0	.0	.7	1.4	.0	.0	2.0	
10-11	.0	.0	.0	.7	.0	.0	.7	
12	.0	.0	.0	.7	.0	.0	.7	
13-16	.0	.0	.7	.0	.0	.0	.7	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	27.9	67.3	4.8	.0	.0	100.0	147

PERIOD: (OVER-ALL) 1951-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	6.3	22.5	11.7	3.2	.9	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	102	4
6-7	.0	.9	5.4	11.7	8.1	4.1	.0	.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	70	6
8-9	.0	.0	2.3	4.5	4.5	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	6
10-11	.0	.5	.0	1.4	.9	.0	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	7
12-13	.0	.0	.5	.9	.0	.5	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
>13	.0	.0	.0	.9	.0	.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	8
INDPT	.5	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	222	5
TOTAL	3	17	68	70	38	13	7	4	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	
PCT	1.4	7.7	30.6	31.5	17.1	5.9	3.2	1.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
7.25 14.2W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THUR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.9	.7	1.3	.0	.0	.0	.0	2.8	5.9	.0	.0	.0	.0	.0	91.3
SE	.7	.8	1.6	.0	.0	.0	.0	3.1	.8	.0	.0	.0	.0	.0	96.1
S	.0	.0	.0	.0	.0	.0	.0	.0	8.7	.0	.0	.0	.0	.0	91.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.7	.7	1.5	.0	.0	.0	.0	2.9	2.4	.0	.0	.0	.0	.0	94.7
TOT OBS:	412														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THUR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	.9	1.8	2.7	.0	.0	.0	.0	5.5	2.7	.0	.0	.0	.0	.0	91.8
06009	2.1	.0	2.1	.0	.0	.0	.0	4.2	2.1	.0	.0	.0	.0	.0	93.7
12015	.0	.0	1.0	.0	.0	.0	.0	1.0	1.9	.0	.0	.0	.0	.0	97.1
18021	.0	.9	.0	.0	.0	.0	.0	.9	2.8	.0	.0	.0	.0	.0	96.3
TOT PCT	.7	.7	1.4	.0	.0	.0	.0	2.9	2.4	.0	.0	.0	.0	.0	94.7
TOT OBS:	417														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	.1	.1	.0	.0	.0	.0	.2	12.5	.0	.0	.5	.0	.3	.0	.0	.0	
NE	.0	.2	.2	.1	.0	.0	.0	.5	13.1	.3	.0	.9	.5	1.0	.0	.0	.0	
E	.0	3.5	16.0	1.5	.0	.0	.0	21.0	15.0	23.8	.0	19.9	19.8	22.1	75.0	21.1	15.4	
SE	.0	17.6	52.9	3.6	.0	.0	.0	74.1	13.9	71.4	.0	73.3	75.2	72.5	25.0	74.4	79.7	
S	.0	1.4	2.3	.4	.0	.0	.0	4.1	13.5	4.4	.0	2.9	4.3	4.1	.0	4.6	4.9	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1							.1	.0	.0	.0	.5	.0	.0	.0	.0	.0	
TOT OBS	1	270	846	66	0	0	1183		14.1		225	0	221	111	305	1	197	
TOT PCT	.1	22.8	71.5	5.6	.0	.0		100.0			100.0	.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	.1	.2	.0	.0	.0	.0	.2	12.5	.0	.3	.3	.0	.0
NE	.1	.3	.1	.0	.0	.0	.5	13.1	.3	.8	1.0	.0	.0
E	.5	12.2	8.1	.1	.0	.0	21.0	15.0	23.8	19.9	22.3	18.9	.0
SE	2.2	48.8	23.0	.1	.0	.0	74.1	13.9	71.4	75.3	72.3	76.4	.0
S	.3	2.6	1.2	.0	.0	.0	4.1	13.5	4.4	3.5	4.1	4.7	.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1					.1	.0		.0	.3	.0	.0	.0
TOT OBS	38	758	384	3	0	1183		14.1	225	392	306	320	
TOT PCT	3.2	64.1	32.5	.3	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

OCTOBER

AREA 0023 ASCENSION
7.25 14.2W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.0	.0	24.0	69.8	6.2	.0	.0	14.2	100.0	225
06009	.3	.0	24.7	69.0	6.0	.0	.0	13.8	100.0	332
12015	.0	.0	22.9	72.2	4.9	.0	.0	14.1	100.0	306
18021	.0	.0	20.0	74.7	5.3	.0	.0	14.4	100.0	320
TOT	1	0	270	846	66	0	0	14.1		1183
PCT	.1	.0	22.8	71.5	5.6	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL CLOUD OBS	MEAN CLOUD COVER
N	.3	.0	.3	.0		4.5
NE	.3	.3	.1	.1		3.8
E	3.7	3.3	12.5	8.5		5.7
SE	7.2	10.8	29.9	19.9		5.7
S	.3	.4	1.7	.3		5.3
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.3	.0	.0	.0		1.0
TOT OBS	46	37	172	111	386	5.7
TOT PCT	11.9	14.8	44.6	28.8	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NM <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.3	
.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.5	
.0	.0	.5	2.7	8.2	7.4	.0	.0	.0	.1	9.1	
.0	.3	.8	7.4	21.2	10.8	.8	1.4	.3	.4	24.3	
.0	.0	.0	.2	.4	.8	.0	.2	.0	.0	1.2	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.1	.5	40	116	74	3	6	1	2	138	386
.0	.3	1.3	10.4	30.1	19.2	.8	1.6	.3	.5	35.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NM >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>OR >6500	.8	.8	.8	.8	.8	.8	.8	.8
>OR >5000	1.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
>OR >3500	2.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
>OR >2000	21.1	21.9	22.7	22.7	22.7	22.7	22.7	22.7
>OR >1000	47.2	49.5	52.3	52.3	52.3	52.3	52.3	52.3
>OR >600	55.9	59.8	62.6	62.6	62.6	62.6	62.6	62.6
>OR >300	57.2	61.1	63.9	63.9	63.9	63.9	63.9	63.9
>OR >150	57.5	61.3	64.2	64.2	64.2	64.2	64.2	64.2
>OR >0	57.5	61.3	64.2	64.2	64.2	64.2	64.2	64.2
TOTAL	223	238	249	249	249	249	249	249

TOTAL NUMBER OF OBS: 386

PCT FREQ NM <5/8: 35.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
3.5	7.9	5.9	8.1	10.1	10.1	17.5	13.6	23.2	405

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1854-1975

OCTOBER

AREA 0023 ASCENSION
7.25 14.2M

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.7	1.8	.1	.0	.0	.0	.0	.0	2.7	
	TOT %	.0	.0	.7	2.1	.1	.0	.0	.0	.0	.0	2.9	
5<10	PCP	.0	.0	.4	.5	.0	.0	.0	.0	.0	.0	1.0	
	NO PCP	.2	.0	.4	2.8	.2	.0	.0	.0	.0	.0	3.6	
	TOT %	.2	.0	.8	3.3	.2	.0	.0	.0	.0	.0	4.6	
10+	PCP	.0	.0	.4	1.3	.0	.0	.0	.0	.0	.0	1.7	
	NO PCP	.2	.8	26.0	61.0	2.5	.0	.0	.0	.0	.2	90.8	
	TOT %	.2	.8	26.4	62.3	2.5	.0	.0	.0	.0	.2	92.5	
TOT OBS													412
TOT PCT		.5	.8	28.0	67.7	2.8	.0	.0	.0	.0	.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.8	.1	.0	.0	.0	.0	.0	.9	
	11-21	.0	.0	.5	1.6	.0	.0	.0	.0	.0	.0	2.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.7	2.1	.1	.0	.0	.0	.0	.0	2.9	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.2	.0	.2	1.1	.0	.0	.0	.0	.0	.0	1.6	
	11-21	.0	.0	.6	2.7	.2	.0	.0	.0	.0	.0	3.4	
	22+	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.2	.0	.8	4.0	.2	.0	.0	.0	.0	.0	5.2	
10+	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	4-10	.0	.3	4.1	14.5	1.2	.0	.0	.0	.0	.0	20.1	
	11-21	.2	.4	19.1	45.4	1.4	.0	.0	.0	.0	.0	66.5	
	22+	.0	.0	1.8	3.2	.0	.0	.0	.0	.0	.0	5.0	
	TOT %	.2	.7	24.9	63.1	2.7	.0	.0	.0	.0	.2	91.9	
TOT OBS													442
TOT PCT		.5	.7	26.4	69.2	2.9	.0	.0	.0	.0	.2	100.0	

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975AREA 0023 ASCENSION
7.25 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000	150	300	600	1000	2000	3500	5000	6500	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
0000Z	149	299	599	999	1999	3499	4999	6499	7999				
0000Z	.0	.0	1.9	14.6	32.0	15.5	1.9	1.9	.0	.0	68.0	32.0	103
0600Z	.0	1.1	1.1	18.2	34.1	19.3	.0	1.1	.0	.0	75.0	25.0	88
1201Z	.0	.0	1.0	5.1	28.3	23.2	1.0	1.0	1.0	1.0	61.6	38.4	99
1802Z	.0	.0	1.0	3.8	23.8	19.0	1.0	1.9	.0	1.0	51.4	48.6	105
TOT	0	1	5	40	116	76	4	6	1	2	251	144	395
PCT	.0	.3	1.3	10.1	29.4	19.2	1.0	1.5	.3	.5	63.5	36.5	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
0000Z	.0	.0	.0	4.3	6.0	89.7	117
0600Z	.0	.0	.0	4.8	6.7	88.6	105
1201Z	.0	.0	.0	1.8	4.5	93.7	111
1802Z	.0	.0	.0	.9	3.5	95.6	114
TOT	0	0	0	13	23	411	447
PCT	.0	.0	.0	2.9	5.1	91.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
0000Z	.0	2.0	22.2	47.5	30.3	99
0600Z	.0	2.3	25.6	51.2	29.3	86
1201Z	.0	1.0	8.2	54.1	37.8	98
1802Z	.0	1.0	5.7	45.7	48.6	105
TOT	0	6	38	192	138	388
PCT	.0	1.5	14.9	49.5	35.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.3	.6	.3	.0	.0	4	1.3
80/84	.0	.0	.0	.6	1.9	1.6	.6	.0	15	4.7
75/79	.0	.0	.0	.6	10.3	21.3	7.8	4.7	143	44.8
70/74	.0	.0	.0	.3	4.1	14.4	20.1	10.0	156	48.9
65/69	.0	.0	.0	.0	.0	.0	.3	.0	1	.3
TOTAL	0	0	0	6	54	120	92	47	319	100.0
PCT	.0	.0	.0	1.9	16.9	37.6	28.8	14.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.9	.4	.0	.0	.0	.0	.0	.0
80/84	.0	.0	1.3	3.3	.2	.0	.0	.0	.0	.0
75/79	.0	.5	11.6	31.5	.9	.0	.0	.0	.0	.3
70/74	.3	.5	13.6	33.2	1.3	.0	.0	.0	.0	.0
65/69	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0
TOT	.3	1.0	27.5	68.5	2.4	.0	.0	.0	.0	.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
0000Z	79	77	76	73	71	68	68	73.6	208
0600Z	86	79	76	74	71	68	67	73.5	309
1201Z	87	85	82	77	73	71	68	76.7	299
1802Z	90	85	79	75	72	70	69	75.3	302
TOT	90	84	80	74	71	69	67	74.9	1118

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
0000Z	.0	1.0	10.2	32.7	42.9	13.3	81	98
0600Z	.0	1.5	4.5	29.9	35.8	28.4	83	67
1201Z	.0	3.8	35.0	35.0	17.5	8.8	74	80
1802Z	.0	2.5	16.5	54.4	15.2	11.4	77	79
TOT	0	7	54	123	92	48	79	324

OCTOBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

TABLE 17

AREA 0023 ASCENSION
7.25 14.2WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FDG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	TOT	% FDG	% FDG
14/16	.0	.0	.0	.0	.0	.3	1	.0	.3
11/13	.0	.0	.0	.0	.3	.6	3	.0	.9
9/10	.0	.0	.0	.3	.9	.9	7	.0	2.1
7/8	.0	.0	.0	.3	.6	.0	3	.0	.9
6	.0	.0	.0	.6	.6	.0	4	.0	1.2
5	.0	.0	.3	2.1	.3	.0	9	.0	2.6
4	.0	.0	.9	2.6	.0	.0	12	.0	3.5
3	.0	.0	2.9	2.6	.3	.0	20	.0	5.9
2	.0	.3	3.2	2.6	.0	.0	21	.0	6.2
1	.0	.3	7.6	2.6	.0	.0	36	.0	10.6
0	.3	1.2	17.1	2.1	.0	.0	70	.0	20.6
-1	.0	1.8	17.9	.9	.0	.0	70	.0	20.6
-2	.0	2.1	7.6	.3	.0	.0	34	.0	10.0
-3	.0	2.6	3.5	.0	.0	.0	21	.0	6.2
-4	.3	2.9	1.5	.3	.0	.0	17	.0	5.0
-5	.0	2.1	.6	.0	.0	.0	9	.0	2.6
-6	.0	.6	.3	.0	.0	.0	3	.0	.9
TOTAL	2		216		10		340		340
PCT	.6	13.8	63.5	17.4	2.9	1.8	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.7
1-2	.0	1.3	6.6	.0	.0	.0	7.9	.0	3.1	5.9	.0	.0	.0	9.0
3-4	.0	2.9	10.1	.0	.0	.0	13.1	.0	15.4	23.2	.0	.0	.0	38.6
5-6	.0	.0	5.5	.0	.0	.0	5.5	.0	.7	4.2	.7	.0	.0	10.7
7	.0	.0	.6	.7	.0	.0	1.3	.0	.0	6.8	.7	.0	.0	7.5
8-9	.0	.0	.0	.0	.0	.0	.6	.0	.0	.2	.0	.0	.0	.2
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.2	23.3	.7	.0	.0	28.3	.0	20.0	45.2	1.5	.0	.0	66.7

PERIOD: (OVER-ALL) 1963-1975

OCTOBER

AREA 0023 ASCENSION
7.25 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	1.3	1.3	.0	.0	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	2.2	1.3	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.3

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.7	.7	.0	.0	.0	.0	1.5	
1-2	.0	5.1	12.3	.0	.0	.0	17.6	
3-4	.0	19.9	34.6	.0	.0	.0	54.4	
5-6	.0	.7	14.7	.7	.0	.0	16.2	
7	.0	.0	8.1	1.5	.0	.0	9.6	
8-9	.0	.0	.7	.0	.0	.0	.7	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.7	26.5	70.6	2.2	.0	.0	100.0	136

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.3	31.7	22.6	6.5	4.1	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	226	3
6-7	.0	.0	4.7	7.9	8.8	1.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	79	6
8-9	.0	.3	1.2	1.8	.6	.6	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	5
10-11	.0	.0	.3	.6	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	6
12-13	.0	.0	.0	.3	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
>13	.0	.0	.0	.3	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	3
INDET	.0	.3	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	341	4
TOTAL	1	110	101	60	54	11	3	0	1	0	0	0	0	0	0	0	0	0	0	341	
PCT	.3	32.3	29.6	17.6	15.8	3.2	.9	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975AREA 0023 ASCENSION
7.25 14.1W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	100.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
E	.0	1.3	.0	.0	.0	.0	.0	1.3	2.6	.0	.0	.0	.0	.0	96.1
SE	.0	1.4	1.9	.0	.0	.0	.0	2.7	.6	.0	.0	.0	.0	.0	95.7
S	.0	7.9	.0	.0	.0	.0	.0	7.9	.0	.0	.0	.0	.0	.0	92.1
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT	.3	2.0	1.4	.0	.0	.0	.0	3.8	.9	.0	.0	.0	.0	.0	95.4
TOT OBS	346														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	1.3	1.3	.0	.0	.0	.0	2.5	1.3	.0	.0	.0	.0	.0	96.2
06009	.0	1.1	3.4	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	95.4
12015	.0	4.6	.0	.0	.0	.0	.0	4.6	2.3	.0	.0	.0	.0	.0	93.1
18021	1.1	1.1	1.1	.0	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	96.8
TOT PCT	.3	2.0	1.4	.0	.0	.0	.0	3.7	.9	.0	.0	.0	.0	.0	95.4
TOT OBS:	347														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	.0	.1	.0	.0	.0	.0	.1	14.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
NE	.0	.1	*	.0	.0	.0	.0	.1	10.0	.0	.0	.0	.7	.1	.0	.0	.0	.0
E	.0	3.6	9.4	1.0	.0	.0	.0	13.9	14.3	16.3	.0	13.8	11.6	13.6	.0	13.3	12.1	.0
SE	.2	16.2	58.4	3.2	.0	.0	.0	78.0	14.0	77.0	.0	78.2	78.0	77.9	.0	78.1	78.8	.0
S	.0	2.4	4.8	.2	.0	.0	.0	7.4	13.0	6.3	.0	7.2	9.7	7.3	.0	6.2	9.1	.0
SW	.0	.1	.0	.0	.0	.0	.0	.1	9.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
W	.0	.1	.1	.0	.0	.0	.0	.2	11.5	.0	.0	.4	.0	.3	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.4	.0	.7	.0	.0	.0	.0
TOT OBS	7	251	942	36	0	0	1296		13.9		216	0	237	134	306	0	221	182
TOT PCT	.5	22.1	72.7	4.3	.0	.0		100.0		100.0	.0	100.0	100.0	100.0	.0	100.0	100.0	.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
		7-16	17-27	28-40	41+	00				06	12	18		
											03	09	15	21
N	.0	.1	.0	.0	.0		.1	14.0	.0	.0	.2	.0		
NE	.0	.1	.0	.0	.0		.1	10.0	.0	.3	.1	.0		
E	.8	7.7	5.3	.2	.0		13.9	14.3	16.3	13.0	13.6	13.8		
SE	2.3	30.6	24.6	.3	.0		78.0	14.0	77.0	78.1	77.9	78.4		
S	.3	5.2	1.9	.1	.0		7.4	13.0	6.3	8.1	7.3	7.5		
SW	.1	.0	.0	.0	.0		.1	9.0	.0	.0	.0	.2		
W	.0	.2	.0	.0	.0		.2	11.5	.0	.3	.3	.0		
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0		
CALM	.3			.0	.0		.3	.0	.5	.3	.7	.0		
TOT OBS	52	826	411	7	0	1296		13.9		216	371	306	403	
TOT PCT	4.0	63.7	31.7	.3	.0		100.0			100.0	100.0	100.0	100.0	

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HOUR	CALM	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS		
		1-3	4-10	11-21					22-33	34-47
0000	.5	.5	21.3	72.7	5.1	.0	.0	13.9	100.0	276
0600	.3	.3	20.1	68.5	4.9	.0	.0	13.7	100.0	311
1215	.7	.0	20.6	75.5	3.3	.0	.0	13.9	100.0	306
1800	.0	.2	21.1	74.4	4.2	.0	.0	14.1	100.0	403
TOT	.4	.3	20.1	72.2	4.3	.0	.0	13.9		1296
PCT	.3	.2	22.5	72.7	4.3	.0	.0	100.0		

WND DIR	0-2	3-4	5-7	8 & OBS CD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.3		8.0
NE	.0	.0	.0	.1		8.0
E	1.3	4.1	6.8	6.8		6.0
SE	11.7	9.6	32.3	22.0		5.7
S	.5	.5	1.2	.8		5.6
SW	.0	.0	.0	.3		8.0
W	.0	.0	.0	.3		8.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.7	.0	.0	.7		4.7
TOT OBS	42	42	119	93	296	5.7
TOT PCT	14.2	14.2	40.2	31.4	100.0	

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL DBS
	149	299	599	999	1999	3499	4999	6499	7999			
.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.3	.5	2.5	5.6	2.7	.3	.0	.2	.0	.6	6.8	
.3	.4	1.9	9.6	22.3	8.6	3.4	1.0	.2	.3	27.6		
.0	.0	.0	.0	.8	.5	.7	.0	.0	.0	1.0		
.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.3	.0	.0	.0	.0	.0	.1	.1	1.0	
2	2	7	37	86	36	13	3	1	1	108		
.7	.7	2.4	12.5	29.1	12.2	4.4	1.0	.3	3	36.5	100.0	296

	VSBY (NM)								
CEILING (FEET)	= OR ≥10	= OR ≥5	= OR ≥2	= OR ≥1	= OR ≥1/2	= OR ≥1/4	= OR ≥50YD	= OR ≥0	
= OR ≥6500	.7	.7	.7	.7	.7	.7	.7	.7	
= OR ≥5000	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
= OR ≥3500	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.1	
= OR ≥2000	16.7	18.4	18.4	18.4	18.4	18.4	18.4	18.4	
= OR ≥1000	44.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	
= OR ≥600	56.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	
= OR ≥300	57.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	
= OR ≥150	58.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	
= OR > 0	58.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
TOTAL	179	186	186	186	186	186	186	186	

PCT FREQ NH 45/81 36.7

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
1.6	6.6	9.2	11.2	8.2	6.6	11.5	17.4	27.0	.7	364

PERIOD: (PRIMARY) 1863-1973
(OVER-ALL) 1854-1973

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	1.9	.4	.0	.0	.0	.0	.0	2.3	
	NO PCP	.0	.0	1.0	9.0	2.2	.0	.3	.0	.0	.0	12.5	
	TOT %	.0	.0	1.0	10.9	2.6	.0	.3	.0	.0	.0	14.8	
10+	PCP	.2	.1	.2	.9	.0	.0	.0	.0	.0	.0	1.4	
	NO PCP	.0	.0	15.1	64.3	2.9	.3	.0	.0	.0	1.2	83.8	
	TOT %	.2	.1	15.4	65.2	2.9	.3	.0	.0	.0	1.2	85.2	
TOT OBS													345
TOT PCT		.2	.1	16.4	76.1	5.5	.3	.3	.0	.0	1.2	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	2.0	1.7	.0	.3	.0	.0	.0	3.9	
	11-21	.0	.0	.8	9.0	.8	.0	.0	.0	.0	.0	10.6	
	22+	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.6	
	TOT %	.0	.0	1.0	11.1	2.5	.0	.3	.0	.0	.0	15.1	
		.0	.0	1.0	11.1	2.5	.0	.3	.0	.0	.0	15.1	
10+	0-3	.0	.0	.0	.8	.0	.0	.0	.0	.0	1.1	2.0	
	4-10	.0	.0	5.0	16.7	1.2	.3	.0	.0	.0	.0	23.2	
	11-21	.2	.1	9.9	46.7	1.6	.0	.0	.0	.0	.0	58.5	
	22+	.0	.0	.3	.8	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	.2	.1	15.3	65.1	2.8	.3	.0	.0	.0	1.1	84.9	
		.2	.1	15.3	65.1	2.8	.3	.0	.0	.0	1.1	84.9	
TOT OBS													357
TOT PCT		.2	.1	16.2	76.5	5.3	.3	.3	.0	.0	1.1	100.0	

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PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975AREA 0023 ASCENSION
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.4	17.4	30.4	8.7	2.9	.0	1.4	1.4	63.8	36.2	69
06009	1.4	.0	4.1	13.7	34.2	9.6	6.8	1.4	.0	.0	71.2	28.8	73
12015	1.3	1.3	1.3	11.5	29.5	14.1	1.3	1.3	.0	.0	61.5	38.5	78
18021	.0	1.3	2.5	7.5	21.3	15.0	6.3	1.3	.0	.0	55.0	45.0	80
TOT	2	2	7	37	86	36	13	3	1	1	188	112	300
PCT	.7	.7	2.3	12.3	28.7	12.0	4.3	1.0	.3	.3	62.7	37.3	100.0

TABLE 11

PERCENT FREQUENCY VSRY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	13.8	86.3	80
06009	.0	.0	.0	.0	21.5	78.5	93
12015	.0	.0	.0	.0	7.9	92.1	89
18021	.0	.0	.0	.0	17.7	82.3	96
TOT	0	0	0	0	55	303	358
PCT	.0	.0	.0	.0	15.4	84.6	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSRY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	1.5	19.7	45.5	34.8	66
06009	1.4	5.6	19.7	52.1	28.2	71
12015	1.3	3.8	15.4	46.2	38.5	78
18021	.0	3.8	11.4	44.3	44.3	79
TOT	2	11	48	138	108	294
PCT	.7	3.7	16.3	46.9	36.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.3	.3	.0	.0	.0	2	.7
85/89	.0	.0	.0	.0	1.3	.7	.3	.0	7	2.3
80/84	.0	.0	.0	.0	1.1	3.3	1.0	.3	18	6.0
75/79	.0	.0	.0	.7	5.7	30.7	16.0	4.7	173	57.7
70/74	.0	.0	.0	.0	1.0	7.7	16.3	8.3	100	33.3
TOTAL	0	0	0	3	28	127	101	40	300	100.0
PCT	.0	.0	.0	1.0	9.7	42.3	33.7	13.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.0	.4	.3	.0	.0	.0	.0	.0
.0	.0	1.1	.9	.0	.0	.0	.0	.0	.0
.3	.1	.6	4.2	.6	.0	.0	.0	.0	.3
.0	.0	7.6	46.8	2.7	.0	.0	.0	.0	.7
.0	.0	7.5	22.7	2.8	.0	.3	.0	.0	.0
.3	.1	16.8	74.9	6.3	.0	.3	.0	.0	1.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	79	78	77	74	72	68	68	74.3	211
06009	86	78	77	74	72	70	70	74.2	362
12015	90	86	82	77	73	72	70	77.3	300
18021	90	81	79	76	74	72	71	75.8	394
TOT	90	83	80	75	72	71	68	75.4	1267

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.3	.3	.0	.0	.0	81	68
06009	.0	.0	.0	.0	1.3	.7	.3	.0	63	74
12015	.0	.0	.0	.0	1.1	3.3	1.0	.3	76	78
18021	.0	.0	.0	.0	1.0	7.7	16.3	8.3	78	83
TOT	0	3	27	127	101	41	79	301		

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PERIOD: (PRIMARY) 1863-1975
(OVER-ALL) 1854-1975

TABLE 17

AREA 0023 ASCENSION
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PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH/OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TCT	W FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.7	.3	3	.0	1.0
9/10	.0	.0	.0	.0	.3	1.3	.0	5	.0	1.7
7/8	.0	.0	.0	.0	1.0	.0	.3	4	.0	1.3
6	.0	.0	.0	.7	.3	.0	.0	3	.0	1.0
5	.0	.0	.0	1.7	.3	.0	.0	6	.0	2.0
4	.0	.0	.0	3.3	.0	.0	.0	10	.0	3.3
3	.0	.0	1.3	2.6	.0	.3	.0	13	.0	4.3
2	.0	.3	1.7	3.3	.3	.0	.0	17	.0	5.6
1	.0	.0	3.0	7.3	.0	.0	.0	31	.0	10.3
0	.0	.0	11.9	4.6	.3	.0	.0	51	.0	16.9
-1	.0	.3	13.6	2.6	.0	.0	.0	50	.0	16.6
-2	.0	1.7	8.3	1.7	.0	.0	.0	35	.0	11.6
-3	.0	.7	9.3	.3	.0	.0	.0	31	.0	10.3
-4	.0	2.3	4.3	.3	.3	.0	.0	22	.0	7.3
-5	.0	.7	1.7	.3	.0	.0	.0	8	.0	2.6
-6	.0	2.0	.7	.3	.0	.0	.0	9	.0	3.0
-7/-8	.3	.3	.7	.0	.0	.0	.0	4	.0	1.3
TOTAL	1	25	170	88	9	7	2	302	0	302
PCT	.3	8.3	56.3	29.1	3.0	2.3	.7	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TGT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	3.8	1.3	.0	.0	.0	5.1	1.7	7.2	9.9	.0	.0	.0	16.4
3-4	.0	3.2	4.3	.4	.0	.0	8.9	.0	6.5	22.6	.1	.0	.0	29.2
5-6	.0	.6	4.0	.0	.0	.0	4.5	.0	2.8	18.5	1.1	.0	.0	22.5
7	.0	.0	.4	.6	.0	.0	1.0	.0	.0	4.2	.0	.0	.0	4.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.6
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TGT PCT	.0	7.6	10.2	1.0	.0	.0	18.8	1.7	17.1	54.8	1.8	.0	.0	75.4

PERIOD: (OVER-ALL) 1963-1975

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.3	1.7	.0	.0	.0	3.0	.0	.6	.0	.0	.0	.0	.0	.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	97.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	2.3	1.1	.0	.0	.0	.0	3.4	
1-2	1.7	11.9	10.7	.0	.0	.0	24.3	
3-4	.0	10.2	27.1	.6	.0	.0	37.9	
5-6	.0	3.4	23.7	1.1	.0	.0	28.2	
7	.0	.0	5.1	.6	.0	.0	5.6	
8-9	.0	.0	.0	.6	.0	.0	.6	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.0	26.6	66.7	2.8	.0	.0	100.0	177

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.4	9.1	20.2	13.7	2.7	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	4
6-7	.0	1.5	10.6	8.4	8.4	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	81	5
8-9	.0	.4	3.0	3.4	4.9	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	6
10-11	.0	.4	.4	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	4
12-13	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	4
>13	.0	.0	.0	.0	.8	.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	8
INDET	1.5	.0	1.5	1.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	3
TOTAL	1.5	30	96	72	45	15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	263	4
PCT	1.9	11.4	36.5	27.4	17.1	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1973
(OVER-ALL) 1855-1973

AREA 0023 ASCENSION
7.25 14.2H

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	ORZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	30.0	.0	.0	.0	.0	.0	30.0	.0	.0	.0	.0	.0	.0	50.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
SE	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	98.6
S	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.8	.0	.0	.0	.0	.0	.8	1.1	.0	.0	.0	.0	.0	98.1
TOT OBS:	263														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	PRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
06009	.0	.0	.0	.0	.0	.0	.0	.0	1.4	.0	.0	.0	.0	.0	98.6
12015	.0	1.5	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	97.1
18021	.0	1.5	.0	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	97.1
TOT PCT TOT OBS:	.0 264	.8	.0	.0	.0	.0	.0	.8	1.1	.0	.0	.0	.0	.0	98.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.1	.1	.0	.0	.0		.2	8.4	.0	.0	.7	.3	.0	.0	.0	.5	.0
E	.0	2.9	6.5	.2	.0	.0		9.6	13.1	8.5	.0	11.1	11.8	12.7	.0	7.5	4.7	.0
SE	.2	20.9	60.1	2.7	.0	.0		83.9	13.5	85.5	100.0	82.9	82.0	80.2	100.0	87.0	87.3	.0
S	.1	1.5	4.1	.4	.0	.0		6.1	13.7	6.0	.0	5.2	6.0	6.7	.0	4.8	8.0	.0
SW	.0	.0	.1	.0	.0	.0		.1	18.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
W	.0	.0	.1	.0	.0	.0		.1	13.0	.0	.0	.0	.0	.0	.3	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	5	359	1002	46	0	0	1412		13.5	226	1	277	176	304	1	214	213	
TOT PCT	.4	25.4	71.0	3.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.2	.0	.0	.0	.0	.2	8.4	.0	.6	.0	.0	.2
E	.4	5.9	2.2	.0	.0	.0	9.6	13.1	8.3	11.4	12.6	6.1	.0
SE	2.4	57.7	23.8	.1	.0	.0	83.9	13.5	85.6	82.6	80.2	87.2	.0
S	.2	4.1	1.7	.1	.0	.0	6.1	13.7	5.9	5.5	6.6	6.4	.0
SW	.0	.0	.1	.0	.0	.0	.1	18.0	.0	.0	.2	.1	.0
W	.0	.1	.0	.0	.0	.0	.1	13.0	.0	.0	.3	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	44	974	392	2	0	1412		13.5	227	453	305	427	
TOT PCT	3.1	69.0	27.8	.1	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

DECEMBER

AREA 0023 ASCENSION
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	.0	.4	23.8	73.1	2.6	.0	.0	.0	13.7	100.0	227
06009	.0	.2	26.9	70.0	2.9	.0	.0	.0	13.2	100.0	453
12015	.0	.3	25.2	71.1	3.3	.0	.0	.0	13.4	100.0	305
18021	.0	.5	24.8	70.7	4.0	.0	.0	.0	13.7	100.0	427
TOT	0	5	359	1002	46	0	0	0	13.5		1412
PCT	.0	.4	25.4	71.0	3.3	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.4	.4	.0		5.5
E	3.4	5.9	4.6	4.3		4.9
SE	20.1	22.9	19.3	17.3		4.5
S	.3	.3	.8	.0		4.3
SW	.0	.0	.0	.0		.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	52	66	56	48	223	4.6
TOT PCT	23.8	29.6	25.1	21.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT) NH >4/8
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
E	.0	.0	.0	3.0	3.6	.0	.0	.0	.0	.0	11.5	
SE	.0	.0	.0	6.4	14.3	7.3	.9	.9	.9	.0	48.8	
S	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	1.1	
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	0	0	0	21	40	18	2	2	2	0	138	223
TOT PCT	.0	.0	.0	9.4	17.9	8.1	.9	.9	.9	.0	61.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>90YD	>0
>8500	.9	.9	.9	.9	.9	.9	.9	.9
>5000	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>3500	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
>2000	10.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8
>1000	27.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
>600	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
>300	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
>150	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
>0	35.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3
TOTAL	79	85	85	85	85	85	85	85

TOTAL NUMBER OF OBS: 222

PCT FREQ NH <5/8: 61.7

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.9	9.5	17.7	16.5	14.7	6.9	6.9	6.9	16.9	.0	231

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

AREA 0023 ASCENSION
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	1.4	5.8	.4	.0	.0	.0	.0	.0	7.6	
	TOT %	.0	.0	1.4	5.8	.4	.0	.0	.0	.0	.0	7.6	
10+	PCP	.0	.4	.0	.0	.4	.0	.0	.0	.0	.0	.8	
	NO PCP	.0	.4	16.5	73.6	1.1	.0	.0	.0	.0	.0	91.6	
	TOT %	.0	.8	16.5	73.6	1.5	.0	.0	.0	.0	.0	92.4	
TOT OBS													263
TOT PCT		.0	.8	18.0	79.4	1.9	.0	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5<10	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.5	1.7	.0	.0	.0	.0	.0	.0	2.2	
	11-21	.0	.0	.9	3.8	.4	.0	.0	.0	.0	.0	5.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	1.4	5.5	.4	.0	.0	.0	.0	.0	7.2	
10+	0-3	.0	.4	.0	.7	.4	.0	.0	.0	.0	.0	1.4	
	4-10	.0	.0	6.1	30.8	.8	.0	.0	.0	.0	.0	37.7	
	11-21	.0	.4	9.6	42.3	.3	.0	.0	.0	.0	.0	52.5	
	22+	.0	.0	.3	.8	.0	.0	.0	.0	.0	.0	1.1	
	TOT %	.0	.7	15.9	74.6	1.4	.0	.0	.0	.0	.0	92.8	
TOT OBS													276
TOT PCT		.0	.7	17.3	80.2	1.8	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1864-1973
(OVER-ALL) 1855-1973APEA 0023 ASCENSION
7.25 14.2W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET; NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	6.8	13.6	11.4	.0	.0	2.3	.0	34.1	65.9	44
06009	.0	.0	.0	13.1	23.0	9.8	1.6	.0	1.6	.0	49.2	50.8	61
12015	.0	.0	.0	7.9	17.5	4.8	1.6	.0	.0	.0	31.7	68.3	63
18021	.0	.0	.0	8.2	14.8	6.6	.0	3.3	.0	.0	32.8	67.2	61
TOT	0	0	0	21	40	18	2	2	2	0	85	144	229
PCT	.0	.0	.0	9.2	17.5	7.9	.9	.9	.9	.0	37.1	62.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.0	.0	7.3	92.7	55
06009	.0	.0	.0	.0	14.3	85.7	77
12015	.0	.0	.0	.0	4.2	95.8	71
18021	.0	.0	.0	.0	2.7	97.3	74
TOT	0	0	0	0	20	257	277
PCT	.0	.0	.0	.0	7.2	92.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET; NH >4/8) BY HOUR

HOURL (GMT)	<150 <90YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	7.1	28.6	64.3	42
06009	.0	.0	13.6	37.3	49.2	59
12015	.0	.0	8.3	25.0	66.7	60
18021	.0	.0	8.2	24.6	67.2	61
TOT	0	0	21	64	137	222
PCT	.0	.0	9.5	28.8	61.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
95/99	.0	.0	.0	.0	.4	.0	.0	.0	1	.4
90/94	.0	.0	.0	.4	.0	.0	.0	.0	1	.4
85/89	.0	.0	.0	.0	1.3	1.7	.0	.0	7	3.0
80/84	.0	.0	.0	.4	2.5	8.1	.8	.0	28	11.9
75/79	.0	.0	.0	.4	6.8	33.5	20.3	3.4	132	64.4
70/74	.0	.0	.0	.0	1.3	5.9	9.3	3.4	47	19.9
TOTAL	0	0	0	3	29	116	72	16	236	100.0
PCT	.0	.0	.0	1.3	12.3	49.2	30.5	6.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
95/99	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
85/89	.0	.0	1.3	1.7	.0	.0	.0	.0	.0	.0
80/84	.0	.4	2.6	7.7	1.1	.0	.0	.0	.0	.0
75/79	.0	.4	9.6	33.9	.4	.0	.0	.0	.0	.0
70/74	.0	.0	5.2	14.7	.0	.0	.0	.0	.0	.0
TOT	.0	.8	18.8	78.9	1.5	.0	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	80	79	78	75	72	70	68	73.0	206
06009	82	80	78	75	73	71	68	73.1	416
12015	95	87	84	78	74	73	72	78.3	295
18021	92	85	81	76	73	72	71	76.7	397
TOT	95	85	81	76	73	72	68	76.3	1314

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.0	6.3	33.3	52.1	8.3	80	48
06009	.0	1.4	4.3	43.5	44.9	5.8	80	80	69	
12015	.0	3.3	19.7	63.9	8.2	4.9	74	61		
18021	.0	.0	18.6	54.2	18.6	6.3	76	59		
TOT	0	3	29	117	72	16	77	237		

DECEMBER

PERIOD: (PRIMARY) 1864-1975
(OVER-ALL) 1855-1975

TABLE 17

AREA 0023 ASCENSION
7.25 14.2W

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	W FOG	NO FOG
17/19	.0	.0	.0	.0	.0	.0	.4	1	.0	.4
14/16	.0	.0	.0	.0	.0	.4	.0	1	.0	.4
11/13	.0	.0	.0	.0	.4	.4	.0	2	.0	.8
9/10	.0	.0	.0	.4	.8	.0	.0	3	.0	1.2
7/8	.0	.0	.0	1.3	1.7	.0	.0	7	.0	2.9
6	.0	.0	.0	1.3	.4	.0	.0	4	.0	1.7
5	.0	.0	.0	.4	.0	.0	.0	1	.0	.4
4	.0	.4	1.3	.8	.0	.0	.0	6	.0	2.5
3	.0	.0	2.9	.8	.0	.0	.0	9	.0	3.8
2	.0	.8	3.3	.8	.0	.0	.0	12	.0	5.0
1	.0	4.6	8.8	.8	.0	.0	.0	34	.0	14.2
0	.0	7.9	3.3	.4	.0	.0	.0	28	.0	11.7
-1	.0	13.0	3.8	.0	.0	.0	.0	40	.0	16.7
-2	.4	10.5	2.5	.4	.0	.0	.0	33	.0	13.8
-3	.4	9.2	2.5	.0	.0	.0	.0	29	.0	12.1
-4	.4	5.4	.4	.0	.0	.0	.0	15	.0	6.3
-5	1.7	2.1	.4	.0	.0	.0	.0	10	.0	4.2
-6	.4	1.3	.0	.0	.0	.0	.0	4	.0	1.7
TOTAL	8	132	70	18	8	2	1	239	0	239
PCT	3.3	55.2	29.3	7.5	3.3	.8	.4	100.0		100.0

PERIOD: (OVER-ALL) 1963-1975

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.9	.9	.0	.0	.0	.0	1.9
1-2	.0	2.8	1.9	.0	.0	.0	4.7	.0	12.3	4.7	.0	.0	.0	17.0
3-4	.0	1.7	6.6	.0	.0	.0	8.3	.0	11.6	24.5	.9	.0	.0	37.0
5-6	.0	.0	2.8	.0	.0	.0	2.8	.0	1.9	20.8	.9	.0	.0	23.6
7	.0	.0	.0	.7	.0	.0	.7	.0	.9	.9	.2	.0	.0	2.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	4.5	11.3	.7	.0	.0	16.5	.9	27.6	50.9	2.1	.0	.0	81.6

PERIOD: (OVER-ALL) 1963-1975

DECEMBER

AREA 0023 ASCENSION
7.25 14.2W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.9	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	1.9	.9	.0	.0	.0	.0	2.8	085
1-2	.9	15.1	6.6	.0	.0	.0	22.6	
3-4	.0	13.2	31.1	.9	.0	.0	45.3	
5-6	.0	1.9	23.6	.9	.0	.0	26.4	
7	.0	.9	.9	.0	.0	.0	2.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.3	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.8	32.1	62.3	2.8	.0	.0	100.0	106

PERIOD: (OVER-ALL) 1950-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.0	9.7	30.3	8.6	5.9	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	103	4
6-7	.5	.5	11.4	8.1	7.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	52	5
8-9	.0	.5	2.7	3.2	3.8	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
10-11	.0	.0	1.1	.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	5
12-13	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	3
>13	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	5
INDET	.0	.0	.5	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
TOTAL	1	20	86	40	33	4	0	1	0	0	0	0	0	0	0	0	0	0	0	185	4
PCT	.5	10.8	46.5	21.6	17.8	2.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	8.3	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0	.0	50.0
NE	5.6	12.5	.0	.0	.0	.0	.0	18.1	5.6	5.6	.0	.0	.0	.0	68.1
E	.5	.7	.5	.0	.0	.0	.0	1.7	1.8	*	.1	.0	.3	.0	96.0
SE	.2	1.1	.5	.0	.0	.0	.0	1.8	1.6	*	.0	.0	.1	*	96.4
S	1.2	3.2	.0	.0	.0	.0	.0	4.4	.7	.0	.0	.0	.0	.0	94.9
SW	8.3	.0	.0	.0	.0	.0	.0	8.3	13.9	.0	.0	.0	.0	.0	52.8
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.8	.0	47.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58.3
TOT PCT	.4	1.1	.5	.0	.0	.0	.0	1.9	1.7	.1	*	.0	.2	*	96.1
TOT OBS:	3877														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA						
HOURLY (GMT)	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG SNOW	DUST	NO SIG WEA
00003	.3	1.4	.7	.0	.0	.0	.0	2.3	2.6	.1	.0	.0	.1	.0	.0	94.8
06009	.5	1.2	.7	.0	.0	.0	.0	2.4	1.5	.1	.1	.0	.1	.0	.0	95.9
12015	.4	1.0	.3	.0	.0	.0	.0	1.5	1.7	.0	.0	.0	.2	.0	.0	96.5
18021	.2	.7	.3	.0	.0	.0	.0	1.3	1.2	.0	.0	.0	.2	.1	.0	97.2
TOT PCT	.4	1.1	.5	.0	.0	.0	.0	1.9	1.7	.1	*	.0	.2	*	.0	96.1
TOT OBS:	3902															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+ TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03				06	09	12	15	18	21	
N	*	*	*	*	.0	.0	.1	7.9	.0	.0	.1	*	.2	.0	.1	.0	
NE	*	.2	.2	*	.0	.0	.4	10.5	.4	.0	.5	.5	.5	1.4	.2	.5	
E	.1	4.3	10.6	1.0	*	.0	15.9	13.7	16.8	11.6	15.7	14.7	17.3	17.1	15.4	13.5	
SE	.3	20.6	52.6	4.0	*	.0	77.5	13.7	77.0	59.0	77.4	78.1	76.4	64.9	78.7	79.2	
S	.1	1.8	3.5	.3	.0	.0	5.6	13.2	5.5	.0	5.7	6.6	5.1	.0	5.0	6.7	
SW	*	*	*	.0	.0	.0	.1	8.1	.0	.0	.1	.1	.2	.0	.2	*	
W	.0	*	*	.0	.0	.0	*	4.2	*	.0	.1	.0	.1	.0	.1	.0	
NW	.0	.1	*	*	.0	.0	.1	3.8	*	.0	.1	.1	.1	.0	.1	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.1						.1	.0	.2	.0	.3	.0	.1	.0	.1	.0	
TOT OBS							15443		13.7	2501	19	2866	1640	4090	23	2267	2037
TOT PCT	.7	27.0	67.0	5.3	*	.0		100.0		100.0	66.7	100.0	100.0	100.0	83.3	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+ TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40					00	03	06	12	18
N	*	.1	*	.0	.0		.1	7.9	.0	.1	.2	*	
NE	.1	.3	.1	.0	.0		.4	10.5	.4	.5	.5	.4	
E	1.0	9.5	5.2	.1	.0		15.9	13.7	16.8	15.3	17.3	14.6	
SE	3.4	50.3	23.4	.4	.0		77.5	13.7	77.0	77.6	76.4	78.9	
S	.4	3.8	1.4	*	.0		5.6	13.2	5.5	6.1	5.1	5.8	
SW	*	.1	*	.0	.0		.1	8.1	.0	.1	.2	.1	
W	*	*	.0	.0	.0		*	4.2	*	.1	.1	*	
NW	*	*	*	.0	.0		.1	3.8	*	.1	.1	.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.1						.1	.0	.2	.2	.1	.1	
TOT OBS						15443		13.7	2520	4506	4113	4304	
TOT PCT	5.2	64.1	30.2	.5	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	.2	.6	26.6	66.5	6.0	*		.0	13.8	100.0	2520
0600	.2	.9	28.2	65.0	5.6	*		.0	13.5	100.0	4506
1200	.1	.4	26.7	67.9	4.9	.1		.0	13.7	100.0	4113
1800	.1	.3	26.2	68.5	4.9	*		.0	13.8	100.0	4304
TOT									13.7		15443
PCT	.1	.5	27.0	67.0	5.3	*		.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & 10	TOTAL OBS	MEAN CLOUD COVER
N	.1	.1	.1	.1		2.9
NE	.1	.1	.2	.1		4.3
E	6.2	6.7	6.0	3.1		4.2
SE	21.8	19.1	21.5	10.7		4.2
S	1.1	.7	1.2	.3		4.2
SW	*	.1	*	.1		3.1
W	.1	*	*	.1		1.7
NW	.1	.1	*	*		1.8
VAR	.0	.0	.0	.0		.0
CALM	.2	.1	.0	.1		1.1
TOT OBS					3250	4.2
TOT PCT	29.6	26.9	29.0	14.4	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	*	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	
NE	*	.0	.0	*	.1	.1	.0	.0	.0	*	.3	
E	.0	*	.3	1.6	3.1	1.7	.2	*	*	*	14.9	
SE	.1	.1	.7	3.0	11.4	5.7	1.1	.5	.2	.2	48.1	
S	.0	*	.0	.1	.6	.2	.1	*	.0	*	2.1	
SW	.0	.0	.0	*	.1	*	.0	.0	.0	.0	.1	
W	.0	.0	.0	.0	.0	*	.0	.0	.0	.0	.2	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.4	
TOT OBS											3250	
TOT PCT	.1	.1	1.0	6.8	15.3	7.8	1.4	.6	.2	.3	66.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	OR			VSBY (NM)			OR		
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0	
* OR >6500	.5	.5	.5	.5	.5	.5	.5	.5	
* OR >5000	.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	
* OR >3500	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
* OR >2000	9.8	10.2	10.3	10.3	10.3	10.3	10.3	10.3	
* OR >1000	24.0	25.3	25.6	25.6	25.6	25.6	25.6	25.6	
* OR >600	30.1	31.9	32.3	32.3	32.3	32.3	32.3	32.3	
* OR >300	31.0	32.9	33.3	33.3	33.3	33.3	33.3	33.3	
* OR >150	31.0	33.1	33.4	33.4	33.4	33.4	33.4	33.4	
* OR >0	31.1	33.1	33.5	33.5	33.5	33.5	33.5	33.5	

TOTAL NUMBER OF OBS: 3254

PCT FREQ NH <5/8: 66.5

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
	5.4	13.4	18.8	17.1	11.7	7.0	8.3	6.9	11.3	.1	3402

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	.1	.1
	TOT %	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	.1	.1
2<5	PCP	.0	*	*	*	.0	.0	.0	.0	.0	.0	.1	.1
	NO PCP	.0	.1	.1	.3	*	.0	*	.0	.0	.0	.5	.5
	TOT %	.0	.1	.1	.3	*	.0	*	.0	.0	.0	.6	.6
5<10	PCP	.0	.0	.1	.7	.1	.0	.0	.0	.0	.0	.8	.8
	NO PCP	*	*	1.2	5.4	.8	*	*	*	.0	.2	7.7	7.7
	TOT %	*	*	1.4	6.0	.9	*	*	*	.0	.2	8.6	8.6
10+	PCP	*	*	.2	.6	.1	*	.0	.0	.0	.0	.9	.9
	NO PCP	.2	.4	19.6	65.9	3.0	.2	.1	.2	.0	.3	89.8	89.8
	TOT %	.2	.5	19.8	66.5	3.0	.2	.1	.2	.0	.3	90.8	90.8
TOT OBS													3869
TOT PCT		.2	.6	21.3	72.9	3.9	.3	.2	.2	.0	.5	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
	TOT %	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	*	*
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	.0	*	.0	.0	.0	.0	.1	.1
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.1	*	.2	*	.0	*	.0	.0	.0	.3	.3
	11-21	.0	*	.1	.2	.0	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.1	.1	.3	*	.0	*	.0	.0	.0	.6	.6
5<10	0-3	.0	.0	.1	.2	.1	.0	.0	.0	.0	.1	.6	.6
	4-10	*	*	.5	2.0	.4	*	*	*	.0	.0	3.0	3.0
	11-21	.0	.0	.7	3.5	.3	.0	.0	.0	.0	.0	4.5	4.5
	22+	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2	.2
	TOT %	*	*	1.3	5.9	.8	*	*	*	.0	.1	8.3	8.3
10+	0-3	*	.1	.1	.3	*	.0	.0	.0	.0	.3	1.0	1.0
	4-10	.1	.2	7.2	22.6	1.3	.1	.1	.2	.0	.0	31.7	31.7
	11-21	*	.2	11.4	42.5	1.6	.1	.0	*	.0	.0	55.8	55.8
	22+	*	*	.6	1.9	.1	.0	.0	.0	.0	.0	2.5	2.5
	TOT %	.2	.4	19.3	67.3	3.0	.2	.1	.2	.0	.3	91.0	91.0
TOT OBS													4092
TOT PCT		.2	.5	20.7	73.6	3.8	.2	.1	.2	.0	.5	100.0	

PERIOD: (PRIMARY) 1862-1976
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.1	.0	.6	7.7	13.8	6.1	.9	.7	.3	.1	30.3	69.7	793
06009	.1	.2	2.0	8.1	18.0	7.7	1.9	.4	.3	.5	39.1	60.9	821
12015	.1	.1	.6	5.8	15.7	8.7	1.3	.5	.2	.2	33.3	66.7	938
18021	.0	.1	.6	4.9	11.7	8.1	1.4	.6	.1	.2	27.6	72.4	805
TOT													3357
PCT	.1	.1	1.0	6.6	14.9	7.7	1.4	.6	.2	.3	32.8	67.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	< 1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.1	.5	7.8	91.7	926
06009	.0	.0	.1	.7	10.1	89.1	1083
12015	.0	.1	.1	.4	5.4	94.0	1096
18021	.0	.0	.1	.6	9.7	89.6	1012
TOT							4117
PCT	.0	*	.1	.6	8.3	91.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH > 4/8), BY HOUR

HOUR (GMT)	< 150 < 50 YD	< 600 < 1	< 1000 < 5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.1	.8	9.3	22.0	68.7	761
06009	.1	2.4	11.4	28.9	59.7	796
12015	.1	1.0	7.2	26.6	66.2	914
18021	.0	.7	5.9	22.5	71.6	783
TOT						3254
PCT	.1	1.2	8.4	25.3	66.3	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
100/104	.0	.0	.0	*	.0	.0	.0	.0		*
95/99	.0	.0	*	.0	.1	*	.0	.0		.1
90/94	.0	.0	.0	.3	.3	.1	.0	.0		.6
85/89	.0	.0	.1	.3	1.3	1.2	.3	*		3.2
80/84	.0	.0	.0	.6	6.1	13.0	5.5	1.2		26.3
75/79	.0	.0	.0	.4	6.0	26.4	14.5	4.0		51.2
70/74	.0	.0	.0	.1	1.0	6.0	7.8	3.5		18.5
65/69	.0	.0	.0	.0	.0	*	*	*		.1
TOT-L									3434	100.0
PCT	.0	.0	.1	1.6	14.7	46.6	28.2	8.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
100/104	.0	.0	*	.0	.0	.0	.0	.0	.0	.0
95/99	.0	.0	*	.1	.0	.0	.0	.0	.0	.0
90/94	.0	.0	.1	.4	.1	*	.0	.0	.0	.0
85/89	.0	.0	.9	2.1	.2	.0	.0	.0	.0	*
80/84	.1	.2	5.4	19.1	1.2	*	.1	.2	.0	.1
75/79	.1	.3	10.9	37.4	1.9	.1	.1	.0	.0	.4
70/74	*	.1	4.1	13.5	.6	*	*	.1	.0	*
65/69	.0	.0	*	*	.0	.0	.0	.0	.0	.0
TOT	.2	.6	21.4	72.7	3.9	.2	.2	.2	.0	.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	86	80	79	76	74	71	65	76.3	2381
06009	90	81	79	76	74	72	66	76.5	4291
12015	100	87	84	79	76	74	68	79.5	4008
18021	99	85	81	77	75	73	66	77.9	4113
TOT	100	85	82	77	74	72	65	77.7	14793

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.4	5.6	46.3	35.9	11.8	80	811
06009	.0	.4	6.5	42.6	38.5	12.1	80	889
12015	.0	4.6	26.8	46.8	16.6	5.2	74	929
18021	.0	1.4	19.2	51.2	21.5	6.7	76	828
TOT	0	62	510	1607	969	305	77	3453

PERIOD: (PRIMARY) 1862-1976
(OVER-ALL) 1854-1976

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TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	>92	TOT	N FOG	WD FOG
23/25	.0	.0	.0	.0	.0	.0	.0	*	1	.0	*
17/19	.0	.0	.0	.0	.0	.0	.0	.1	2	.0	.1
14/16	.0	.0	.0	.0	.0	.1	.1	.2	9	.0	.3
11/13	.0	.0	.0	.0	*	.4	.2	*	20	.0	.6
9/10	.0	.0	.0	.1	.1	.4	.2	.0	29	.0	.8
7/8	.0	.0	.0	.1	.8	.7	.1	.0	57	.0	1.7
6	.0	.0	.0	.3	.6	.4	.0	.0	43	.0	1.3
5	.0	.0	.2	.7	.6	.3	*	.0	63	.0	1.8
4	.0	.0	.2	1.4	1.1	.4	.0	.0	108	.0	3.2
3	.0	*	.6	2.1	1.4	.4	.0	.0	134	.0	4.5
2	.0	.1	1.2	2.3	2.0	.3	.0	.0	203	.0	6.0
1	.0	.1	2.6	4.6	2.4	.1	.0	.0	323	*	9.6
0	*	.1	6.5	6.3	2.8	.1	.0	.0	546	.0	15.9
-1	.0	.3	7.5	7.7	2.2	.1	.0	.0	600	.0	17.7
-2	.0	.7	5.9	6.8	1.1	.0	.0	.0	489	.0	14.5
-3	.0	.7	4.4	4.3	.3	.0	.0	.0	330	.0	9.8
-4	*	1.1	3.0	2.2	.3	.0	.0	.0	224	.0	6.6
-5	.0	.6	1.4	1.1	.0	.0	.0	.0	108	.0	3.2
-6	.0	.3	.7	.3	.0	.0	.0	.0	44	.0	1.3
-7/-8	*	.3	.5	.1	.0	.0	.0	.0	31	.0	.9
-9/-10	.0	.1	.1	.1	.0	.0	.0	.0	6	.0	.2
-11/-13	.0	.1	.0	.0	.0	.0	.0	.0	2	.0	.1
TOTAL									3395		
PCT	.1	4.3	34.8	40.7	15.8	3.5	.6	.3	100.0	*	100.0

PERIOD: (OVER-ALL) 1963-1976

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N							PCT	NE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
1-2	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.2
3-4	.0	.1	.0	.1	.0	.0	.0	.1	.0	*	*	*	.0	.0	.0	.1
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.1	.0	.1	.0	.0	.2	.1	.1	.1	.2	*	.0	.0	.0	.4

HGT	E							PCT	SE							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
41	.0	.3	.0	.0	.0	.0	.0	.3	.3	1.2	.1	.0	.0	.0	.0	1.5
1-2	.1	4.3	2.8	.0	.0	.0	.0	7.2	.2	9.0	6.5	.0	.0	.0	.0	15.7
3-4	.0	3.1	6.5	.3	.0	.0	.0	9.8	.0	9.1	20.9	.3	.0	.0	.0	30.2
5-6	.0	.7	3.7	.1	.0	.0	.0	4.5	.0	1.7	14.3	.6	.0	.0	.0	16.6
7	.0	.1	1.3	.3	.0	.0	.0	1.6	.0	.5	4.5	.6	.0	.0	.0	5.5
8-9	.0	.0	.4	.1	.0	.0	.0	.4	.0	.1	.8	.2	.0	.0	.0	1.1
10-11	.0	.0	*	.0	.0	.0	.0	*	.0	.0	.3	.1	.1	.0	.0	.5
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
13-16	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.1
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	8.4	14.8	.7	.0	.0	24.0	.5	21.4	47.6	1.8	.1	.0	.0	.0	71.4

PERIOD: (OVER-ALL) 1963-1976

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.1	.0	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
1-2	.1	.6	.3	.0	.0	.0		1.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.3	.4	.0	.0	.0		.7	.0	.1	.0	.0	.0	.0		.1
5-6	.0	.0	.7	.0	.0	.0		.7	.0	.1	.0	.0	.0	.0		.1
7	.0	.0	.2	.1	.0	.0		.2	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.1	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.1	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.1	1.0	1.7	.1	.0	.0		2.9	.0	.2	.0	.0	.0	.0		.2

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.0		.1	
1-2	.0	.0	.0	.0	.0	.0		.2	.0	.1	.0	.0	.0	.0		.1	
3-4	.0	.2	.0	.0	.0	.0		.0	.0	.1	.0	.0	.0	.0		.1	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.2	.0	.0	.0	.0		.2	.0	.3	.0	.0	.0	.0		.3	99.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	1.7	.1	.0	.0	.0	2.8	
1-2	.4	14.4	9.6	.0	.0	.0	24.4	
3-4	.0	12.6	27.7	.6	.0	.0	40.9	
5-6	.0	2.4	18.7	.7	.0	.0	21.8	
7	.0	.5	6.1	.9	.0	.0	7.5	
8-9	.0	.1	1.2	.3	.0	.0	1.6	
10-11	.0	.0	1.4	.2	.1	.0	.6	
12	.0	.0	.0	.1	.0	.0	.1	
13-16	.0	.0	.2	.0	.0	.0	.2	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.1	.0	.0	.0	.1	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	31.7	64.1	2.7	.1	.0	100.0	1683

PERIOD: (OVER-ALL) 1949-1975

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	10.5	20.6	10.1	3.5	1.0	.2	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1346	4
6-7	.6	.6	8.7	11.8	6.1	1.8	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	845	5
8-9	.4	.4	2.3	3.5	3.5	1.8	.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	338	6
10-11	.0	.3	.8	.5	.8	.5	.4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	95	6
12-13	.0	.0	.7	.5	.4	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	33	6
>13	.0	.0	.0	.6	.4	.3	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	43	8
INDET	.4	.5	1.0	.7	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	91	4
TOTAL																				2891	5
PCT	1.4	12.3	34.1	27.7	15.2	5.7	2.1	.7	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1867-1976
(OVER-ALL) 1854-1976

TABLE 20

APEA 0023 ASCENSION
7.25 14.2W

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SFA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
87/88	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	2	.*
85/86	.0	.2	1.0	.9	.3	.2	.0	.0	.0	.0	.0	.0	32	.2
83/84	.4	2.0	6.2	9.6	6.0	1.1	.2	.3	.0	.2	.5	.2	315	2.4
81/82	3.4	17.5	39.9	44.0	32.3	13.4	2.4	.0	.7	1.1	.9	.9	1849	14.2
79/80	17.2	42.4	39.9	35.0	45.4	44.1	14.6	3.9	1.4	1.2	4.3	7.7	2958	22.7
77/78	36.3	29.8	11.3	8.7	14.4	32.0	40.1	19.7	11.2	8.4	18.2	28.1	2836	21.8
75/76	30.8	6.2	1.1	1.3	1.3	7.1	33.2	67.1	40.0	35.5	43.9	41.7	2958	22.7
73/74	8.7	1.2	.2	.3	.2	1.3	8.3	24.6	38.8	45.5	26.7	17.3	1710	13.1
71/72	1.0	.5	.1	.1	.0	.4	1.0	3.0	6.1	7.3	4.6	2.4	263	2.0
69/70	.9	.2	.3	.0	.0	.3	.3	1.3	.8	.7	.7	.5	61	.5
67/68	.5	.0	.0	.0	.0	.0	.0	.3	.5	.1	.1	.4	18	.1
65/66	.7	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.9	24	.2
63/64	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.*
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
<27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	1221	1207	1246	1270	1014	1116	1043	798	882	989	1100	1141	13027	100.0
MEAN	76.8	79.0	80.3	80.6	80.1	78.7	76.8	75.3	74.6	74.5	75.3	75.8	77.3	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1013		1013	1013	1013		1012	1010	1013	285
FEB	1013	1009		1012	1014	1013	1013	1011	1013	362
MAR	1013	1013	1012	1014	1013	1011	1011	1014	1012	394
APR	1013	1012	1012	1013	1013	1011	1011	1012	1012	440
MAY	1014	1012	1013	1014	1014	1011	1013	1013	1014	383
JUN	1016	1013	1015	1016	1016	1013	1014	1015	1015	341
JUL	1017	1017	1015	1018	1017	1016	1015	1018	1016	410
AUG	1017		1016	1019	1017	1017	1015	1017	1017	393
SEP	1017	1015		1015	1017	1016	1015	1015	1016	381
OCT	1016		1014	1016	1015	1014	1014	1015	1015	482
NOV	1014		1013	1015	1015		1013	1014	1014	366
DEC	1014	1014	1013	1013	1014	1012	1012	1011	1013	275
ANN	1015	1013	1014	1015	1015	1013	1013	1014	1014	4582
OBS	910	18	908	159	1539	22	865	141		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1005	1006	1009	1012	1013	1014	1016	1017	1018
FEB	1006	1008	1009	1011	1013	1014	1016	1018	1020
MAR	1006	1008	1009	1011	1012	1014	1016	1018	1020
APR	1005	1008	1009	1011	1013	1014	1015	1016	1019
MAY	1008	1009	1010	1012	1013	1015	1017	1018	1020
JUN	1004	1010	1012	1014	1015	1017	1018	1020	1023
JUL	1006	1012	1013	1015	1017	1018	1019	1021	1023
AUG	1010	1012	1014	1015	1016	1018	1020	1021	1023
SEP	1008	1011	1013	1015	1016	1017	1019	1020	1023
OCT	1008	1011	1012	1014	1015	1016	1018	1019	1024
NOV	1005	1009	1011	1013	1014	1015	1016	1018	1019
DEC	1004	1006	1009	1012	1013	1015	1016	1018	1022

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1857-1973

JANUARY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD PCPN	FGD NO PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.0	15.0	8.3	.0	.0	.0	.0	35.3	2.3	9.0	1.5	.0	4.5	.0	53.4
NE	13.7	13.7	1.1	.0	.0	.0	.0	28.4	4.6	10.1	.4	.0	.4	.0	61.7
E	8.0	8.6	1.1	.0	.0	.0	.0	17.2	7.9	6.2	.9	.0	.0	.0	69.6
SE	2.4	8.2	.4	.0	.0	.0	.0	11.0	3.2	3.5	1.1	.0	.0	.0	81.6
S	2.6	11.2	.0	.0	.0	.0	.0	13.7	1.0	1.9	.6	.0	.0	.0	83.4
SW	.0	15.4	.0	.0	.0	.0	.0	15.4	.0	.0	.0	.0	.0	.0	84.6
W	.0	40.0	.0	.0	.0	.0	.0	40.0	.0	.0	.0	.0	.0	.0	60.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8	.0	.0	.0	.0	.0	.0	4.8	9.5	.0	4.8	.0	.0	.0	81.0
TOT PCT	6.2	9.7	1.0	.0	.0	.0	.0	16.7	4.4	5.2	1.0	.0	.3	.0	74.2
TOT OBS:	699														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHHR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGD PCPN	FGD NO PCPN PAST HR	SMDKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000	5.7	7.0	1.3	.0	.0	.0	.0	13.9	3.2	8.9	.0	.0	.0	.0	76.6
0600	8.6	10.9	.9	.0	.0	.0	.0	20.0	3.6	7.3	1.4	.0	.5	.0	69.5
1200	8.0	11.9	.6	.0	.0	.0	.0	20.5	7.4	.6	.6	.0	.6	.0	71.0
1800	4.6	9.1	1.8	.0	.0	.0	.0	15.5	2.7	3.7	1.4	.0	.0	.0	78.1
TOT PCT	6.7	9.8	1.2	.0	.0	.0	.0	17.6	4.1	5.0	.9	.0	.3	.0	73.7
TOT OBS:	773														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.4	2.5	.7	.1	.0	.0		4.7	6.6	5.6	6.0	3.3	4.5	4.0	4.5	5.1	5.3	
NE	2.2	9.6	2.8	.1	.0	.0		14.7	7.8	13.6	14.2	13.7	15.3	16.8	14.7	14.1	16.5	
E	3.5	16.6	3.4	.1	.0	.0		23.6	7.3	23.9	25.1	20.0	23.6	25.7	22.9	28.0	23.6	
SE	3.0	26.1	9.4	.3	.0	.0		38.8	8.6	41.0	34.9	40.9	40.7	39.3	40.8	38.5	35.0	
S	1.9	6.7	1.4	.*	.0	.0		10.0	7.0	6.9	10.9	12.1	10.3	7.2	8.7	8.8	11.3	
SW	.3	.9	.*	.0	.0	.0		1.3	5.2	.4	.3	1.0	.9	1.3	2.0	1.7	1.0	
W	.2	.6	.1	.0	.0	.0		.8	6.6	.4	1.2	1.3	.7	.7	1.0	.6	.4	
NW	.2	.4	.2	.*	.0	.0		.9	7.3	2.1	.7	1.1	1.1	.3	.5	.8	.9	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	5.2							5.2	.0	6.0	5.8	6.7	3.0	4.7	4.9	4.4	6.0	
TOT OBS	521	1847	525	18	0	0	2911		7.4	134	381	522	404	150	408	526	386	
TOT PCT	17.9	63.4	18.0	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	2.7	1.9	.1	.*	.0			4.7	6.6	5.9	3.8	4.4	5.2
NE	6.7	7.3	.2	.*	.0			14.7	7.8	14.1	14.4	15.3	15.1
E	11.5	11.5	.6	.*	.0			23.6	7.3	24.8	21.5	23.7	23.0
SE	13.8	23.0	2.0	.*	.0			38.8	8.6	36.5	40.8	40.4	37.0
S	5.4	4.3	.3	.0	.0			10.0	7.0	9.9	11.3	8.3	9.9
SW	1.0	.2	.0	.0	.0			1.3	5.2	1.1	.9	1.8	1.4
W	.4	.4	.*	.0	.0			.8	6.6	1.0	1.1	.9	.5
NW	.5	.3	.*	.0	.0			.9	7.3	1.1	1.1	.4	.8
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	5.2							5.2	.0	5.8	5.1	4.8	5.0
TOT OBS	1372	1422	115	2	0	2911		7.4		313	926	558	912
TOT PCT	47.1	48.8	4.0	.1	.0			100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1857-1973

JANUARY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47	48+			
00003	5.8	14.4	62.5	16.9	.4	.0	.0	7.0	100.0	515
06009	5.1	13.2	64.1	16.7	.9	.0	.0	7.4	100.0	926
12015	4.8	9.7	62.2	22.6	.7	.0	.0	8.0	100.0	558
18021	5.0	13.3	64.0	17.2	.4	.0	.0	7.3	100.0	912
TOT	190	371	1847	525	18	0	0	7.4		2911
PCT	5.2	12.7	63.4	18.0	.6	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.4	.5	.7	2.1		6.1
NE	2.1	4.1	6.6	4.7		5.5
E	3.9	8.0	8.8	5.3		4.9
SE	6.5	10.2	15.2	4.4		4.5
S	1.8	2.2	4.0	.3		4.5
SW	.0	.0	.5	.0		6.0
W	.0	.0	.1	.0		7.0
NW	.0	.3	.4	.1		6.1
VAR	.0	.0	.0	.0		.0
CALM	.8	1.0	2.0	1.0		4.8
TOT OBS	69	104	132	71	396	4.9
TOT PCT	17.4	26.3	38.4	17.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.2	.2	.4	.8	.6	.3	.0	.0	.0	1.3	
NE	.0	.1	.6	2.1	3.2	.9	.8	.0	.0	.0	9.2	
E	.0	.3	.4	3.0	2.7	1.1	1.2	.0	.0	.3	17.0	
SE	.0	.0	.1	1.8	5.6	1.7	1.3	.3	.0	.0	27.0	
S	.0	.0	.0	1.6	.0	.3	.3	.3	.0	.0	5.9	
SW	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	
NW	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.4	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.5	.3	.8	.0	.0	.0	.0	.0	3.3	
TOT OBS	0	2	5	51	21	15	2	0	4	258	396	
TOT PCT	.0	.5	1.3	9.6	12.9	5.3	3.4	.5	.0	1.0	65.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >4500	.7	.9	.9	.9	.9	.9	.9	.9
= OR >5000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3300	4.4	5.5	5.5	5.5	5.5	5.8	5.8	5.8
= OR >2000	8.5	11.5	11.8	11.8	11.8	12.0	12.0	12.0
= OR >1000	17.5	23.7	24.7	25.3	25.3	25.6	25.6	25.6
= OR >600	23.7	32.0	33.4	34.3	34.6	35.0	35.0	35.0
= OR >300	24.2	33.4	34.8	35.7	35.9	36.4	36.4	36.4
= OR >150	24.7	33.9	35.3	36.2	36.4	36.9	36.9	36.9
= OR >0	24.7	33.9	35.3	36.2	36.4	36.9	36.9	36.9
TOTAL	107	147	153	157	158	160	160	160

TOTAL NUMBER OF OBS: 434

PCT FREQ NH <5/8: 63.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.1	10.5	14.6	18.5	14.2	9.7	9.0	6.2	13.1	.0	465

JANUARY

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1857-1973AREA 0024 ST. PETER AND PAUL ROCKS
.0N 29.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.3	
1/2<1	PCP	.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.9	
	NO PCP	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.4	
	TOT %	.1	.8	.3	.1	.1	.0	.0	.0	.0	.0	1.3	
1<2	PCP	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.6	
2<5	PCP	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.6	
	NO PCP	.0	.4	.1	.3	.0	.0	.0	.0	.0	.0	.7	
	TOT %	.2	.4	.2	.4	.0	.0	.0	.0	.0	.0	1.3	
5<10	PCP	1.4	3.1	2.9	3.1	1.4	.1	.1	.0	.0	.0	12.2	
	NO PCP	1.6	3.2	8.3	12.3	5.2	.3	.1	.0	.0	.7	31.8	
	TOT %	2.9	6.3	11.2	15.4	6.7	.4	.3	.0	.0	.7	43.9	
10+	PCP	.1	.8	.5	.9	.1	.0	.0	.0	.0	.1	2.6	
	NO PCP	1.4	8.0	11.9	21.2	4.4	.5	.1	.5	.0	2.1	30.1	
	TOT %	1.5	8.7	12.5	22.1	4.5	.5	.1	.5	.0	2.3	32.6	
TOT OBS													699
TOT PCT		4.8	16.2	24.9	38.1	11.2	.9	.4	.5	.0	3.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.4	.1	.0	.0	.0	.0	.0	.0	.0	.6	
1<2	0-3	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.6	
2<5	0-3	.1	.1	.1	.0	.1	.0	.0	.0	.0	.1	.5	
	4-10	.0	.2	.3	.6	.1	.0	.0	.1	.0	.0	1.3	
	11-21	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.5	.6	.8	.2	.0	.0	.1	.0	.1	2.5	
5<10	0-3	.3	.5	1.2	.6	.7	.0	.1	.1	.0	.5	4.0	
	4-10	1.2	3.4	5.2	6.9	2.6	.3	.3	.1	.0	.0	19.9	
	11-21	.3	.7	1.2	2.8	.3	.0	.0	.1	.0	.0	5.5	
	22+	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.3	
	TOT %	1.8	4.6	7.6	10.5	3.6	.3	.3	.3	.0	.5	29.7	
10+	0-3	.4	1.2	1.6	2.1	1.1	.2	.0	.2	.0	3.2	9.9	
	4-10	1.5	5.9	13.1	21.5	3.9	.8	.3	.5	.0	.0	47.5	
	11-21	.3	1.0	1.4	5.7	.3	.0	.0	.2	.0	.0	8.9	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	2.3	8.1	16.1	29.3	5.4	1.0	.3	.9	.0	3.2	66.5	
TOT OBS													1300
TOT PCT		4.4	13.6	24.9	40.8	9.2	1.3	.7	1.3	.0	3.8	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.0	7.1	11.2	7.1	4.1	.0	.0	.0	30.6	69.4	98
06009	.0	.0	.0	13.2	16.0	3.8	4.7	.0	.0	1.9	39.6	60.4	106
12015	.0	1.6	4.0	8.9	12.1	5.6	1.6	.8	.0	.8	35.5	64.5	124
18021	.0	.0	.0	7.5	13.3	7.5	6.7	.8	.0	.0	36.7	63.3	120
TOT	0	2	6	41	59	27	19	2	0	4	160	288	448
PCT	.0	.4	1.3	9.2	13.2	6.0	4.2	.4	.0	.9	35.7	64.3	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.3	.7	3.4	28.2	67.4	298
06009	.2	.8	.0	2.1	36.1	60.7	476
12015	.0	.9	.9	2.4	25.5	70.3	330
18021	.2	.2	.9	2.3	30.0	66.4	470
TOT	2	9	9	39	481	1034	1574
PCT	.1	.6	.6	2.5	30.6	65.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HRUR (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	1.1	9.9	24.2	65.9	91
06009	.0	1.0	15.5	25.2	59.2	103
12015	.0	7.3	17.1	19.5	63.4	123
18021	.0	.9	11.1	26.5	62.4	117
TOT	0	12	59	103	272	434
PCT	.0	2.8	13.6	23.7	62.7	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.0	1.9	.7	.0	11	2.6
80/84	.0	.0	.0	.0	.2	19.5	28.9	4.2	225	52.8
75/79	.0	.0	.0	.0	.0	4.5	27.9	11.7	188	44.1
70/74	.0	.0	.0	.0	.0	.0	.0	.5	2	.5
TOTAL	0	0	0	0	1	110	245	70	426	100.0
PCT	.0	.0	.0	.0	.2	25.8	57.5	16.4		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.4	.3	.9	.8	.0	.0	.0	.0	.0	.2
80/84	1.1	9.5	12.2	21.8	5.0	.4	.0	.3	.0	2.8
75/79	1.9	6.9	11.8	17.3	3.8	.6	.1	.2	.0	1.4
70/74	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
TOTAL	3.3	16.7	25.4	39.8	8.9	.9	.1	.5	.0	4.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	79	76	74	73	78.8	517
06009	84	82	81	79	76	74	67	78.7	928
12015	90	88	85	81	76	74	72	80.7	545
18021	89	87	84	80	76	74	69	80.1	894
TOT	90	86	83	79	76	74	67	79.5	2884

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	8.4	67.3	24.3	86	107
06009	.0	.0	.0	21.4	65.1	13.5	85	126
12015	.0	.0	.0	33.9	50.0	16.1	83	124
18021	.0	.0	.9	36.8	49.1	13.2	82	114
TOT	0	0	1	120	272	78	84	471

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WD FOG
11/13	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
9/10	.0	.0	.0	.0	.0	.1	.0	1	.0	.1
7/8	.0	.0	.0	.0	.0	.4	.0	3	.0	.4
6	.0	.0	.0	.0	.0	.3	.0	2	.0	.3
5	.0	.0	.0	.1	.0	.4	.1	5	.0	.7
4	.0	.0	.0	.1	.6	.4	.0	8	.0	1.2
3	.0	.0	.1	.6	1.6	.1	.0	17	.3	2.2
2	.0	.0	.0	.4	3.5	.3	.0	29	.0	4.2
1	.0	.0	.0	3.0	5.6	.3	.0	62	.0	8.9
0	.0	.0	.0	12.0	8.2	.0	.0	140	.4	19.7
-1	.0	.0	.4	25.1	2.7	.0	.0	196	.0	28.2
-2	.0	.0	.1	14.8	1.6	.0	.0	115	.0	16.6
-3	.0	.0	.7	6.2	.1	.0	.0	49	.0	7.1
-4	.0	.0	1.4	3.2	.4	.0	.0	35	.0	5.0
-5	.0	.0	1.6	.4	.0	.0	.0	14	.0	2.0
-6	.0	.0	.9	.3	.0	.0	.0	8	.0	1.2
-7/-8	.0	.0	.6	.4	.0	.0	.0	7	.1	.9
-9/-10	.0	.0	.1	.0	.0	.0	.0	1	.0	.1
-14/-16	.1	.0	.0	.0	.0	.0	.0	1	.0	.1
TOTAL	1		42		169		1	694	6	688
PCT	.1	.0	6.1	66.7	24.4	2.6	.1	100.0	.9	99.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.9	.1	.9	.0	.0	.0	1.9
1-2	.3	.3	.3	.0	.0	.0	1.0	.7	6.9	.6	.0	.0	.0	8.1
3-4	.0	.3	.7	.0	.0	.0	1.0	.0	7.9	2.5	.0	.0	.0	10.4
5-6	.0	.8	.5	.0	.0	.0	1.3	.0	.9	.0	.0	.0	.0	.9
7	.0	.0	.3	.0	.0	.0	.3	.0	.0	.6	.0	.0	.0	.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	1.5	1.8	.0	.0	.0	3.7	1.6	15.8	4.6	.0	.0	.0	22.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.8	3.3	.5	.0	.0	.0	4.6	.6	3.0	.0	.0	.0	.0	3.6
1-2	.3	10.4	.5	.0	.0	.0	11.2	.6	8.4	2.3	.0	.0	.0	11.2
3-4	.0	3.8	1.3	.0	.0	.0	5.0	.0	12.4	6.5	.0	.0	.0	18.9
5-6	.0	1.9	.8	.0	.0	.0	2.8	.0	1.8	1.9	.0	.0	.0	3.8
7	.0	.0	.5	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	19.3	3.4	.0	.0	.0	24.1	1.1	25.6	10.8	.0	.0	.0	37.5

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
41	.5	.5	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	
1-2	.3	2.4	.5	.0	.0	.0	3.2	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.8	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	3.7	.5	.0	.0	.0	4.9	.0	.0	.0	.0	.0	.0	.0	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	92.2

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	12.6	6.9	1.3	.0	.0	.0	20.8	
1-2	3.5	27.7	3.9	.0	.0	.0	35.1	
3-4	.0	24.2	10.4	.0	.0	.0	34.6	
5-6	.0	9.2	3.0	.0	.0	.0	12.2	
7	.0	.0	1.3	.0	.0	.0	1.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	16.0	64.1	19.9	.0	.0	.0	100.0	231

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.9	11.7	13.0	5.4	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	105	3
6-7	.0	1.3	7.6	10.5	2.5	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	74	5
8-9	.0	1.0	4.1	1.3	1.3	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	5
10-11	.0	1.0	.6	2.2	1.6	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	20	5
12-13	.0	.0	.3	.6	.0	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDET	6.0	4.8	7.3	6.3	1.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	3
TOTAL	25	62	104	83	25	13	3	0	0	0	0	0	0	0	0	0	0	0	0	315	4
PCT	7.9	19.7	33.0	26.3	7.9	4.1	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

FEBRUARY

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	12.1	14.7	.5	.0	.0	.0	.0	27.3	2.8	5.6	.5	.0	.0	.0	65.7
NE	7.3	13.2	1.3	.0	.0	.0	.0	21.6	4.8	6.8	1.9	.0	.0	.4	65.5
E	5.3	13.6	.5	.0	.0	.0	.0	19.4	3.4	7.2	3.5	.0	.4	.0	68.0
SE	7.8	8.3	.0	.0	.0	.0	.0	16.1	4.8	3.6	4.4	.0	.6	.0	72.7
S	12.3	2.7	.0	.0	.0	.0	.0	19.1	2.1	11.0	5.5	.0	.0	.0	70.5
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	16.3	.0	.0	.0	.0	.0	16.3	.0	12.2	4.1	.0	.0	.0	67.3
NW	19.4	6.0	.0	.0	.0	.0	.0	21.4	.0	1.7	1.7	.0	.0	.0	75.2
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	4.8	9.5	4.8	.0	.0	.0	.0	19.0	4.8	9.5	.0	.0	.0	.0	66.7
TOT PCT	7.7	11.8	.7	.0	.0	.0	.0	20.2	3.8	6.3	2.8	.0	.2	.1	68.3
TOT OBS:	871														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	5.8	10.1	1.4	.0	.0	.0	.0	17.4	5.3	9.2	2.4	.0	.0	.0	67.6
06009	9.8	12.5	.0	.0	.0	.0	.0	22.3	2.7	9.8	2.7	.0	.4	.4	65.2
12015	7.3	13.7	.5	.0	.0	.0	.0	21.5	6.4	.5	1.8	.0	.0	.0	69.9
18021	8.2	10.8	1.4	.0	.0	.0	.0	20.4	2.2	5.4	2.9	.0	.4	.0	70.6
TOT PCT	7.9	11.8	.8	.0	.0	.0	.0	20.5	4.0	6.2	2.5	.0	.2	.1	68.4
TOT OBS:	961														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	3.1	7.7	1.5	.1	.0	.0		12.4	6.5		8.1	12.4	12.3	14.3	10.9	13.1	12.3	12.5
NE	4.5	19.8	4.6	*	.0	.0		29.0	7.4		24.2	28.6	26.9	29.2	35.6	30.2	28.6	30.2
E	3.7	15.1	3.1	.1	.0	.0		22.0	7.0		27.4	22.4	19.9	22.2	19.4	24.7	20.7	21.8
SE	2.7	14.0	3.3	*	.0	.0		20.0	7.4		24.8	17.8	22.1	20.5	21.4	19.1	20.9	16.5
S	1.2	3.2	.4	.0	.0	.0		4.8	6.0		6.8	5.1	4.7	3.0	5.2	3.8	5.9	5.1
SW	.4	.7	*	.0	.0	.0		1.1	4.7		.6	2.5	1.2	.4	.3	.8	1.2	1.2
W	.3	.8	.1	.0	.0	.0		1.1	5.6		.0	1.2	1.7	.9	.6	.4	1.8	1.1
NW	.7	1.4	.3	.0	.0	.0		2.5	6.0		2.4	2.1	1.9	3.1	2.8	2.0	2.7	2.7
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	7.1							7.1	.0		5.7	8.0	9.4	6.3	3.8	5.9	5.8	8.7
TOT OBS	688	1822	384	7	0	0	2901		6.5		158	376	501	381	160	392	532	401
TOT PCT	23.7	62.8	13.2	.2	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	03	06	12	18
N	7.6	4.4	.4	.0	.0			12.4	6.5	11.1	13.2	12.5	12.4
NE	13.4	14.9	.7	.0	.0			29.0	7.4	27.3	27.9	31.7	29.3
E	12.1	9.2	.6	.0	.0			22.0	7.0	23.9	20.9	23.2	21.2
SE	9.9	9.7	.5	.0	.0			20.0	7.4	19.9	21.4	19.7	19.0
S	3.1	1.7	*	.0	.0			4.8	6.0	5.6	4.0	4.2	5.6
SW	1.0	.1	*	.0	.0			1.1	4.7	2.0	.9	.6	1.2
W	.9	.3	*	.0	.0			1.1	5.6	.8	1.4	.5	1.5
NW	1.7	.6	.1	.0	.0			2.5	6.0	2.2	2.4	2.3	2.7
VAR	.0	.0	.0	.0	.0			.0	.0	.0	.0	.0	.0
CALM	7.1							7.1	.0	7.3	8.0	5.3	7.1
TOT OBS	1645	1187	68	1	0	2901		6.5		534	882	552	933
TOT PCT	56.7	40.9	2.3	*	.0			100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1909-1973
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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				4R+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	7.3	16.5	62.7	13.3	.2	.0	.0	.0	6.5	100.0	534
06009	8.0	16.6	62.8	12.4	.2	.0	.0	.0	6.4	100.0	882
12015	5.3	14.9	63.2	16.5	.2	.0	.0	.0	7.0	100.0	552
18021	7.1	17.9	62.6	12.1	.3	.0	.0	.0	6.4	100.0	933
TOT	205	483	1822	384	7	0	0	0	6.5		2901
PCT	7.1	16.6	62.6	13.2	.2	.0	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.3	2.1	3.5	2.6		5.2
NE	4.6	4.4	16.1	5.6		5.3
E	4.1	5.8	10.0	5.8		5.1
SE	5.0	6.1	5.8	4.7		4.5
S	.6	2.2	1.2	.5		4.1
SW	.1	.0	.1	.0		4.0
W	.0	.0	1.2	.2		7.0
NW	.1	.3	1.6	.7		6.2
VAR	.0	.0	.0	.0		.0
CALM	.7	.7	1.6	.5		4.8
TOT OBS	72	95	180	90	437	5.1
TOT PCT	16.5	21.7	41.2	20.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NM >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.6	.9	1.3	.4	.3	.0	.0	.0	6.1
.2	.0	.7	3.8	4.7	3.7	1.6	.2	.1	.2	.2	15.4
.0	.0	.5	2.7	3.8	2.2	1.2	.5	.2	.2	.2	14.5
.0	.0	.2	.5	1.9	2.6	.7	.0	.0	.1	.1	15.7
.0	.0	.0	.5	.2	.7	.0	.0	.0	.0	.0	3.2
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
.0	.0	.0	.0	.7	.0	.1	.2	.0	.0	.0	.4
.0	.0	.0	.3	.9	.2	.0	.0	.0	.0	.0	1.3
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.2	.9	.2	.0	.0	.0	.0	.0	2.1
1	0	6	38	61	48	18	5	1	2	257	437
.2	.0	1.4	8.7	14.0	11.0	4.1	1.1	.2	.5	58.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.4	.6	.6	.6	.6	.6	.6	.6
= OR >5000	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
= OR >3500	5.0	5.9	6.1	6.1	6.1	6.1	6.1	6.1
= OR >2000	13.0	16.4	16.6	16.6	16.6	16.6	16.6	16.6
= OR >1000	23.1	29.4	30.0	30.0	30.0	30.0	30.2	30.2
= OR >600	29.1	38.6	39.4	39.4	39.4	39.4	39.6	39.6
= OR >300	30.2	40.5	41.3	41.3	41.3	41.3	41.5	41.5
= OR >150	30.2	40.5	41.3	41.3	41.3	41.3	41.5	41.5
= OR >0	30.2	40.5	41.3	41.3	41.3	41.3	41.5	41.7
TOTAL	144	193	197	197	197	197	198	199

TOTAL NUMBER OF OBS: 477

PCT FREQ NH <5/8: 58.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8 OBSCD	TOTAL OBS
4.2	10.1	15.6	17.8	9.9	11.5	9.5	7.5	13.8	506

PERIOD: (PRIMARY) 1909-1973
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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.2	
1/2<1	PCP	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.1	.4	.9	.8	.2	.0	.1	.1	.0	.0	2.5	
	TOT %	.1	.5	1.1	.8	.2	.0	.1	.1	.0	.0	2.8	
1<2	PCP	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.7	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.8	
2<5	PCP	.0	.2	.1	.1	.0	.0	.0	.0	.0	.0	.5	
	NO PCP	.2	.3	.1	.0	.1	.0	.0	.0	.0	.0	.7	
	TOT %	.2	.5	.2	.1	.1	.0	.0	.0	.0	.0	1.2	
5<10	PCP	3.0	4.2	4.3	2.3	.6	.0	.2	.5	.0	.3	15.4	
	NO PCP	4.7	8.9	11.3	3.7	1.3	.2	.6	1.7	.0	.7	33.1	
	TOT %	7.7	13.0	15.6	6.0	1.9	.2	.9	2.2	.0	1.0	48.6	
10+	PCP	.4	1.6	1.1	.4	.0	.0	.0	.2	.0	.1	3.8	
	NO PCP	4.0	11.9	11.5	11.0	2.0	.1	.5	.9	.0	1.3	43.2	
	TOT %	4.4	13.5	12.7	11.4	2.0	.1	.5	1.1	.0	1.4	47.0	
TOT OBS													
TOT PCT		12.3	27.8	29.8	18.3	4.2	.3	1.4	3.4	.0	2.4	100.0	869

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.3	
1/2<1	0-3	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.2	.5	.4	.1	.0	.1	.1	.0	.0	1.3	
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.2	.6	.5	.1	.0	.1	.1	.0	.0	1.5	
1<2	0-3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	4-10	.1	.2	.1	.1	.0	.0	.1	.1	.0	.0	.5	
	11-21	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.2	.1	.1	.0	.0	.1	.1	.0	.0	.7	
2<5	0-3	.1	.2	.1	.1	.1	.0	.0	.1	.0	.4	1.0	
	4-10	.1	.7	.3	.4	.2	.1	.1	.0	.0	.0	1.8	
	11-21	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.4	.9	.5	.5	.3	.1	.1	.1	.0	.4	3.3	
5<10	0-3	1.6	2.3	2.3	.9	.4	.2	.2	.3	.0	1.4	9.8	
	4-10	3.2	4.9	6.1	3.4	1.0	.2	.3	.8	.0	.0	20.0	
	11-21	.5	1.4	1.4	.7	.2	.0	.0	.1	.0	.0	4.4	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	5.4	8.6	9.8	5.0	1.9	.4	.5	1.2	.0	1.4	34.2	
10+	0-3	.9	1.8	2.2	1.9	.4	.2	.0	.2	.0	3.0	10.8	
	4-10	4.1	12.2	10.6	10.5	2.3	.5	.5	1.0	.0	.0	41.6	
	11-21	.7	2.9	1.7	1.9	.1	.0	.1	.1	.0	.0	7.6	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	5.8	16.9	14.5	14.3	2.9	.7	.6	1.3	.0	3.0	60.0	
TOT OBS													
TOT PCT		11.6	27.0	25.6	20.5	5.2	1.2	1.3	2.7	.0	4.8	100.0	1682

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	9.2	11.8	9.2	3.4	.8	.0	.8	35.3	64.7	119
06009	1.0	.0	1.0	7.2	9.3	9.3	5.2	2.1	.0	.0	35.1	64.9	97
12015	.0	.0	4.3	11.6	15.9	11.6	4.3	1.4	.0	.7	50.0	50.0	138
18021	.0	.0	1.5	8.1	14.7	10.3	4.4	.0	.7	.0	39.7	60.3	136
TOT	1	0	9	45	65	50	21	5	1	2	199	291	490
PCT	.2	.0	1.8	9.2	13.3	10.2	4.3	1.0	.2	.4	40.6	59.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	2.0	.0	5.1	33.6	59.3	351
06009	.2	1.6	.8	2.4	40.0	55.0	505
12015	.3	.8	1.1	2.2	29.8	65.9	369
18021	.5	1.5	.7	3.3	35.2	58.8	348
TOT	5	26	12	56	623	1051	1773
PCT	.3	1.5	.7	3.2	35.1	59.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	.0	10.2	26.3	63.6	118
06009	1.1	2.2	10.9	26.1	63.0	92
12015	.0	4.4	16.1	34.3	49.6	137
18021	.0	2.3	12.3	29.2	58.5	130
TOT	1	11	60	140	277	477
PCT	.2	2.3	12.6	29.4	58.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.6	1.0	1.0	.2	14	2.9
80/84	.0	.0	.0	.0	.2	20.9	36.6	5.2	304	62.9
75/79	.0	.0	.0	.0	.2	2.1	19.5	12.2	164	34.0
70/74	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	0	0	0	9	116	276	86	483	100.0
PCT	.0	.0	.0	.0	1.0	24.0	57.1	17.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.5	1.2	.8	.5	.0	.0	.0	.0	.0	.0
80/84	7.3	19.6	15.2	13.6	2.6	.1	.7	1.4	.0	2.3
75/79	3.1	10.5	9.6	6.2	1.2	.1	.6	1.1	.0	1.7
70/74	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
TOTAL	10.9	31.2	25.6	20.4	3.8	.2	1.3	2.5	.0	4.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	87	82	82	79	76	73	73	79.1	547
06009	85	83	82	79	76	73	70	79.0	891
12015	90	88	85	81	76	75	74	81.1	547
18021	89	88	85	80	76	75	73	80.5	936
TOT	90	86	84	80	76	74	70	79.9	2921

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	15.0	59.1	26.0	86	127
06009	.0	.0	.0	10.6	69.9	19.3	86	113
12015	.0	.0	.7	28.9	53.7	16.8	83	149
18021	.0	.0	2.8	41.4	43.4	12.4	81	145
TOT	0	0	3	134	297	98	84	534

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TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	NO FOG
7/8	.0	.0	.0	.2	.1	3	.0	.4
6	.0	.0	.1	.2	.0	3	.0	.4
5	.0	.0	.1	.4	.0	4	.0	.5
4	.0	.0	.6	.6	.0	10	.1	1.1
3	.0	.2	1.9	.4	.0	21	.2	2.3
2	.0	.1	5.0	.2	.0	45	.1	5.3
1	.0	1.0	8.5	.2	.0	81	.4	9.4
0	.0	9.1	10.1	.1	.0	161	1.1	18.3
-1	.0	17.5	5.9	.1	.0	196	.2	23.3
-2	.0	15.1	1.9	.0	.0	142	.7	16.3
-3	1.3	8.5	.6	.0	.0	87	.0	10.5
-4	.6	3.0	.6	.0	.0	35	.0	4.2
-5	1.7	1.6	.2	.0	.0	29	.0	3.5
-6	.1	.6	.0	.0	.0	6	.0	.7
-7/-8	.5	.5	.0	.0	.0	8	.0	1.0
-11/-13	.1	.0	.0	.0	.0	1	.0	.1
TOTAL	36	477	297	21	1	832	2.4	80.8
PCT	4.3	57.3	35.7	2.5	.1	100.0	2.9	97.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.7	.3	.0	.0	.0	.0	1.0	.7	.9	.0	.0	.0	.0	1.7
1-2	.3	2.9	.3	.0	.0	.0	3.5	.2	12.4	.5	.0	.0	.0	13.1
3-4	.0	2.8	.6	.0	.0	.0	3.4	.0	6.3	5.3	.0	.0	.0	11.6
5-6	.0	.0	.6	.0	.0	.0	.6	.0	2.9	1.0	.0	.0	.0	3.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.5	.4	.0	.0	.0	.9
8-9	.3	.0	.0	.0	.0	.0	.3	.1	.0	.0	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.3	6.0	1.3	.0	.0	.0	8.9	1.0	23.0	7.2	.0	.0	.0	31.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	1.8	2.3	.0	.0	.0	.0	4.0	.6	.3	.0	.0	.0	.0	.9
1-2	1.0	13.1	.7	.0	.0	.0	14.9	.9	9.6	1.4	.0	.0	.0	12.0
3-4	.0	3.7	1.3	.0	.0	.0	5.1	.4	3.4	1.4	.0	.0	.0	5.3
5-6	.0	.4	.7	.0	.0	.0	1.1	.0	1.2	1.3	.0	.0	.0	2.6
7	.0	.3	.0	.0	.0	.0	.3	.0	.4	.1	.0	.0	.0	.5
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.8	19.8	2.8	.0	.0	.0	25.4	2.0	15.0	4.3	.0	.0	.0	21.3

PERIOD: (OVER-ALL) 1963-1973

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.3	.3	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.4
1-2	.0	2.0	.3	.0	.0	.0	2.3	.0	.0	.0	.0	.0	.0	.0	2.2
3-4	.0	.9	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	1.0
5-6	.0	.4	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.3	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.3	3.6	.6	.0	.0	.0	4.5	.0	.0	.0	.0	.0	.0	.0	.0

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4
1-2	.0	.0	.0	.0	.0	.0	.0	.8	1.3	.0	.0	.0	.0	.0	2.2
3-4	.0	.4	.0	.0	.0	.0	.4	.0	.6	.4	.0	.0	.0	.0	1.0
5-6	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.4	.4	.0	.0	.0	.8	1.2	2.0	.4	.0	.0	.0	3.6	95.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT DBS
<1	9.8	5.1	.0	.0	.0	.0	14.8	
1-2	4.7	39.5	3.1	.0	.0	.0	47.3	
3-4	.8	17.6	8.6	.0	.0	.0	27.0	
5-6	.0	4.7	3.9	.0	.0	.0	8.6	
7	.0	1.2	.8	.0	.0	.0	2.0	
8-9	.4	.0	.0	.0	.0	.0	.4	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.6	68.0	16.4	.0	.0	.0	100.0	256

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT	
<6	2.0	15.4	10.2	4.9	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	115	3
6-7	.0	.9	9.6	9.0	3.8	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	82	4
8-9	.0	.9	2.9	3.5	3.2	.3	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	5
10-11	.0	1.5	1.5	2.0	.0	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	22	5
12-13	.0	.0	.6	.6	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7	6
>13	.0	.0	.0	1.5	.9	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	7
INDET	3.8	3.2	7.6	2.9	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	3
TOTAL	20	75	111	84	38	9	3	2	2	0	0	0	0	0	0	0	0	0	0	0	344	4
PCT	5.8	21.8	32.3	24.4	11.0	2.6	.9	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

MARCH

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	5.2	11.8	2.1	.0	.0	.0	.0	19.0	2.3	1.0	1.6	.0	.0	.0	76.2
NE	4.4	14.3	1.7	.0	.0	.0	.3	20.7	5.8	2.0	1.4	.0	.7	.0	69.7
E	7.8	16.1	.7	.0	.0	.0	.0	24.6	4.4	2.0	.2	.0	.0	.0	69.3
SE	8.2	12.4	.3	.0	.0	.0	.0	20.9	4.4	4.0	1.3	.0	.0	.0	69.4
S	13.7	5.5	.0	.0	.0	.0	.0	19.2	.0	1.4	.0	.0	.0	.0	79.5
SW	17.9	.0	.0	.0	.0	.0	.0	17.9	.0	10.7	.0	.0	.0	.0	78.6
W	12.5	8.3	.0	.0	.0	.0	.0	20.8	.0	4.2	4.2	.0	.0	.0	70.8
NW	7.3	8.3	.0	.0	.0	.0	.0	13.9	4.9	.0	2.4	.0	.0	.0	76.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	3.0	6.1	.0	.0	.0	.0	9.1	9.1	3.0	.0	.0	3.0	.0	75.8
TOT PCT	6.5	12.8	1.3	.0	.0	.0	.1	20.7	4.3	2.3	1.1	.0	.3	.0	71.6
TOT OBS	921														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	PRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT OB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	5.7	10.4	.9	.0	.0	.0	.5	17.5	4.7	3.3	.9	.0	.5	.0	73.0
0600Z	8.5	17.4	1.3	.0	.0	.0	.0	27.2	4.6	5.6	.0	.0	.0	.0	63.9
1201Z	6.9	11.2	1.7	.0	.0	.0	.0	19.8	3.4	.0	.9	.0	.9	.0	75.0
1802Z	8.5	11.8	1.0	.0	.0	.0	.0	21.3	4.9	2.0	2.0	.0	.0	.0	70.2
TOT PCT	7.6	13.0	1.2	.0	.0	.0	.1	21.9	4.5	2.8	.9	.0	.3	.0	70.0
TOT OBS	1053														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-23	24-47	48+					00	03	06	09	12	15	18	21
N	2.5	8.8	2.6	.1	.0	.0		13.9	7.3		11.3	13.1	13.3	15.5	14.6	13.9	15.0	12.9
NE	3.9	20.4	6.3	.2	.0	.0		30.7	7.9		34.0	30.8	27.7	30.7	30.0	32.6	31.4	30.8
E	3.0	15.1	3.4	.1	.0	.0		21.5	7.4		21.3	20.3	21.6	20.6	23.8	21.7	22.7	21.1
SE	2.4	12.6	3.3	*	.0	.0		18.4	7.6		18.6	19.3	18.9	20.4	19.4	18.9	16.0	18.4
S	1.2	2.3	.3	.0	.0	.0		3.7	5.6		5.3	5.1	3.5	3.0	2.8	3.1	2.6	5.3
SW	.4	.9	.1	.0	.0	.0		1.4	5.9		1.2	1.6	2.3	.9	2.1	1.0	1.2	1.3
W	.5	.9	.1	.0	.0	.0		1.4	5.5		.6	1.2	1.1	1.1	2.7	.9	2.1	1.5
NW	.6	1.8	.1	.0	.0	.0		2.5	5.6		2.0	2.2	3.1	2.6	4.4	2.0	2.7	1.9
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	6.4							6.4	.0		5.6	6.4	8.4	5.2	4.1	6.0	6.3	6.7
TOT OBS	668	2017	517	14	0	0	3216		7.0		161	424	560	445	169	432	584	421
TOT PCT	20.8	62.7	16.1	.4	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+						00	03	06	12	18
N	6.9	6.6	.4	.0	.0			13.9	7.3		12.6	14.3	14.1	14.1	
NE	13.7	15.8	1.2	*	.0			30.7	7.9		31.7	29.0	31.9	31.2	
E	10.5	10.2	.7	*	.0			21.5	7.4		20.6	21.1	22.3	22.1	
SE	8.4	9.4	.5	.0	.0			18.4	7.6		19.1	19.6	18.0	17.0	
S	2.5	1.2	*	.0	.0			3.7	5.6		5.2	3.3	3.0	3.7	
SW	1.0	.4	*	.0	.0			1.4	5.9		1.5	1.7	1.3	1.3	
W	.9	.5	.0	.0	.0			1.4	5.5		1.0	1.1	1.4	1.8	
NW	1.7	.8	.0	.0	.0			2.5	5.6		2.2	2.9	2.7	2.4	
VAR	.0	.0	.0	.0	.0			.0	.0		.0	.0	.0	.0	
CALM	6.4							6.4	.0		6.2	7.0	5.5	6.5	
TOT OBS	1674	1446	94	2	0	3216			7.0		585	1005	621	1005	
TOT PCT	52.1	45.0	2.9	.1	.0			100.0			100.0	100.0	100.0	100.0	

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PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				4R+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000	6.2	16.1	63.8	13.3	.7	.0	.0	.0	6.7	100.0	585
0600	7.0	13.2	61.6	15.8	.4	.0	.0	.0	6.8	100.0	1005
1200	5.5	12.9	62.5	18.8	.3	.0	.0	.0	7.3	100.0	621
1800	6.5	13.5	63.4	16.2	.4	.0	.0	.0	7.1	100.0	1005
TOT	205	463	2017	517	14	0	0	0	7.0		3216
PCT	6.4	14.4	62.7	16.1	.4	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	2.6	3.4	6.0	2.8		3.0
NE	6.7	10.6	12.3	5.8		4.7
E	3.3	6.2	7.6	3.3		4.8
SE	2.3	4.1	4.6	3.4		3.0
S	.6	.6	1.5	.5		3.0
SW	.1	.7	.6	.6		3.6
W	.3	.0	.9	.3		3.6
NW	.5	.5	1.2	.5		3.3
VAR	.0	.0	.0	.0		.0
CALM	.9	1.1	3.0	.6		3.0
TOT OBS	81	127	177	84	469	4.9
TOT PCT	17.3	27.1	37.7	17.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.4	2.1	.9	.9	.5	.2	.0	.0	9.9	
NE	.0	.0	.3	2.9	4.5	1.7	1.7	.2	.0	.1	24.1	
E	.0	.0	.2	1.5	2.7	1.2	.4	.0	.0	.4	13.8	
SE	.0	.0	.1	1.2	1.7	1.3	.5	.0	.2	.2	9.3	
S	.0	.0	.0	.4	.2	.2	.3	.0	.1	.0	2.0	
SW	.0	.0	.0	.0	.1	.4	.3	.1	.1	.0	1.0	
W	.0	.0	.2	.2	.4	.0	.3	.1	.0	.0	.3	
NW	.0	.0	.0	.5	.2	.3	.0	.1	.0	.0	1.6	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.6	.6	.4	.0	.0	.0	.0	3.8	
TOT OBS	0	5	44	53	30	20	3	2	3	309	469	
TOT PCT	.0	.0	1.1	9.4	11.3	6.4	4.3	.6	.4	.6	65.9	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)				VSBY (NH)				OR >0
	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0	
OR >6500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
OR >5000	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
OR >3500	5.0	6.3	6.3	6.5	6.5	6.5	6.5	6.5	6.5
OR >2000	10.2	13.2	13.8	14.0	14.0	14.0	14.0	14.0	14.0
OR >1000	18.2	24.6	25.5	25.7	25.7	25.7	25.7	25.7	25.7
OR >600	24.2	32.8	34.4	34.5	34.5	34.5	34.5	34.5	34.5
OR >300	25.1	34.0	35.7	35.9	35.9	35.9	35.9	35.9	35.9
OR >150	25.1	34.0	35.7	35.9	35.9	35.9	35.9	35.9	35.9
OR >0	25.1	34.2	35.9	36.1	36.1	36.1	36.1	36.1	36.1
TOTAL	131	178	187	188	188	188	188	188	188

TOTAL NUMBER OF OBS: 521

PCT FREQ NH <5/8: 63.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
2.6	10.8	17.6	18.8	12.9	9.2	8.6	6.3	13.2	.0	344

PERIOD: (PRIMARY) 1909-1973
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AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS	
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
1/2<1	PCP	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1		
	NO PCP	.3	.4	.1	.2	.0	.0	.1	.1	.0	.0	1.1		
	TOT %	.4	.4	.1	.2	.0	.0	.1	.1	.0	.0	1.2		
1<2	PCP	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.2		
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1		
	TOT %	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.3		
2<5	PCP	.0	*	.1	.2	.0	.0	.0	.0	.0	.0	.3		
	NO PCP	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4		
	TOT %	.1	.2	.2	.2	.0	.0	.0	.0	.0	.0	.8		
5<10	PCP	2.6	5.1	4.9	2.6	.5	.1	.3	.2	.0	.0	16.3		
	NO PCP	6.2	9.0	8.7	6.4	1.8	.4	.2	.9	.0	.4	24.0		
	TOT %	8.8	14.1	13.6	9.0	2.3	.5	.5	1.1	.0	.4	40.3		
10+	PCP	.4	1.1	.7	.7	.2	.2	.0	.1	.0	.3	3.7		
	NO PCP	7.1	14.9	8.5	6.4	1.4	.8	.8	1.0	.0	2.8	43.7		
	TOT %	7.5	16.0	9.1	7.1	1.7	1.0	.8	1.1	.0	3.2	47.4		
TOT OBS														920
TOT PCT														16.8 31.0 23.1 16.5 4.0 1.5 1.3 2.2 .0 3.6 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	*	*	.0	.0	.0	*	*	.0	.0	.1	
	4-10	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.2	*	.1	.0	.0	*	*	.0	.0	.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.3	
	11-21	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.1	.2	.0	.0	.0	.0	.0	.1	.6	
2<5	0-3	*	.2	.1	.0	.1	*	.0	.0	.0	.3	.7	
	4-10	.2	.3	.3	.6	.2	*	.2	.0	.0	.0	1.8	
	11-21	.0	*	.3	.1	.0	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.6	.7	.7	.2	.1	*	.2	.0	.3	3.0	
5<10	0-3	.5	1.2	.8	.9	.5	*	.1	.1	.0	1.1	5.1	
	4-10	4.1	5.7	5.5	3.9	.8	.4	.2	.6	.0	.0	21.2	
	11-21	1.1	2.3	2.2	1.6	.1	.0	.1	.1	.0	.0	7.5	
	22+	.0	*	*	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	5.7	9.2	8.5	6.4	1.4	.4	.4	.8	.0	1.1	33.9	
10+	0-3	1.8	2.0	1.9	1.6	.7	.2	.2	.5	.0	3.5	12.3	
	4-10	5.3	14.6	10.6	7.9	1.1	.4	.7	.9	.0	.0	41.4	
	11-21	1.3	3.0	1.5	1.7	.2	.1	*	.1	.0	.0	8.0	
	22+	.1	*	.1	.0	.0	.0	.0	.0	.0	.0	.2	
	TOT %	8.4	19.7	14.1	11.2	2.0	.7	.9	1.5	.0	3.5	61.9	
TOT OBS													1807
TOT PCT													14.6 29.9 23.4 18.5 3.6 1.1 1.3 2.6 .0 5.0 100.0

MARCH

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

AREA 0024 ST. PETER AND PAUL ROCKS
ON 29.34

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.8	8.3	15.7	5.8	3.3	.8	.8	.0	35.5	64.5	121
06009	.8	.0	1.6	8.5	10.1	6.5	5.4	1.6	.8	.8	38.0	62.0	129
12015	.0	.0	2.1	8.3	12.5	9.0	4.2	2.1	.0	.0	38.2	61.8	144
18021	.0	.0	.7	10.9	8.0	5.8	3.6	.7	.0	1.5	31.4	68.6	137
TOT	1	0	7	48	61	39	22	7	2	3	190	341	531
PCT	.2	.0	1.3	9.0	11.5	7.3	4.1	1.3	.4	.6	35.8	64.2	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.6	1.7	3.0	39.1	55.7	361
06009	.2	.0	.3	3.2	39.3	57.0	598
12015	.0	.7	.5	3.4	29.3	66.1	413
18021	.0	1.1	.0	2.6	35.4	60.9	568
TOT	1	11	10	59	698	1161	1940
PCT	.1	.6	.5	3.0	36.0	59.8	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.8	10.8	25.8	63.3	120
06009	.8	2.4	13.6	27.2	59.2	125
12015	.0	2.1	12.1	26.2	61.7	141
18021	.0	.7	12.6	19.3	68.1	135
TOT	1	8	64	126	329	521
PCT	.2	1.5	12.3	24.6	63.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	1.4	3.1	.8	.2	28	5.5
80/84	.0	.0	.0	.0	1.0	20.9	34.4	4.9	311	61.2
75/79	.0	.0	.0	.0	.0	2.4	18.1	12.0	165	32.5
70/74	.0	.0	.0	.0	.0	.0	.0	.6	3	.6
TOTAL	0	0	0	0	12	135	271	90	508	100.0
PCT	.0	.0	.0	.0	2.4	26.6	53.3	17.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
85	.8	2.1	1.6	.7	.0	.2	.0	.0	.0	.0
80	7.9	23.4	13.5	8.9	2.5	.9	.6	1.3	.0	2.4
75	5.5	9.0	7.4	3.7	.8	.9	1.1	.8	.0	3.1
70	.3	.1	.0	.2	.0	.0	.0	.0	.0	.0
TOTAL	14.5	34.6	22.6	13.8	3.1	2.0	1.8	2.2	.0	5.5

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	87	83	82	79	76	73	71	79.3	604
06009	86	83	82	79	76	74	73	79.2	1046
12015	92	87	86	82	77	75	74	81.4	625
18021	91	87	85	81	76	75	71	80.6	1012
TOT	92	86	84	80	76	74	71	80.1	3287

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.8	14.7	59.7	24.8	86	129		
06009	.0	.0	.0	12.0	60.7	27.3	86	150		
12015	.0	.0	3.5	29.9	53.5	13.2	82	144		
18021	.0	.0	4.1	40.4	43.8	11.6	81	146		
TOT	0	0	12	139	309	109	84	569		

PERIOD: (PRIMARY) 1909-1973
(OVER-ALL) 1855-1973

MARCH

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 17

PCT FRQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	H FOG	NO FOG
7/8	.0	.0	.1	.6	.0	7	.0	.7
6	.0	.0	.2	.4	.1	7	.0	.7
5	.0	.0	.0	1.2	.1	13	.0	1.3
4	.0	.1	.3	1.3	.0	17	.0	1.7
3	.0	.0	.7	.7	.0	14	.1	1.3
2	.0	.2	5.2	1.2	.0	65	.0	6.7
1	.0	1.0	8.4	.2	.0	94	.1	9.5
0	.0	6.8	11.4	.2	.0	179	.3	18.0
-1	.0	14.4	7.1	.0	.0	210	.2	21.3
-2	.2	14.1	2.9	.0	.0	168	.1	17.1
-3	.4	8.2	1.1	.0	.0	95	.1	9.6
-4	1.1	4.3	.3	.0	.0	56	.1	5.6
-5	1.0	1.8	.3	.0	.0	31	.0	3.2
-6	.6	.5	.1	.0	.0	12	.0	1.2
-7/-8	.2	.3	.2	.0	.0	7	.0	.7
-9/-10	.2	.0	.0	.0	.0	2	.0	.2
TOTAL	37		374	58	2	977	1.0	96.7
PCT	3.8	51.8	38.3	5.9	.2	100.0	1.0	99.0

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FRQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	2.9	3.1	.0	.0	.0	.0	6.0	2.2	2.0	.0	.0	.0	.0	4.2
1-2	1.1	3.5	.4	.0	.0	.0	5.0	.8	15.1	.9	.0	.0	.0	16.8
3-4	.0	1.5	3.2	.0	.0	.0	4.7	.0	7.6	1.4	.0	.0	.0	12.0
5-6	.0	.0	1.0	.0	.0	.0	1.0	.0	2.0	1.6	.0	.0	.0	3.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.0	.0	.0	1.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	4.0	8.1	4.6	.0	.0	.0	16.8	3.0	26.7	8.7	.0	.0	.0	38.5

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	2.0	1.5	.0	.0	.0	.0	3.5	.0	1.7	.0	.0	.0	.0	1.7
1-2	1.6	4.5	.3	.0	.0	.0	6.4	.8	4.3	.0	.0	.0	.0	5.1
3-4	.0	6.3	.6	.0	.0	.0	6.9	.0	1.4	.9	.0	.0	.0	2.3
5-6	.0	.3	1.1	.0	.0	.0	1.4	.4	.1	.1	.0	.0	.0	.6
7	.0	.0	.7	.0	.0	.0	.7	.0	.0	.1	.0	.0	.0	.1
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	3.6	12.7	2.7	.0	.0	.0	19.0	1.2	7.5	1.1	.0	.0	.0	9.8

PERIOD: (OVER-ALL) 1963-1973

MARCH

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.4	.0	.0	.0	.0	.0	.4	.0	.4	.0	.0	.0	.0	.4
1-2	.4	.7	.0	.6	.0	.0	1.1	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.1	.4	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	.7	.4	.0	.0	.0	1.9	.0	.5	.4	.0	.0	.0	.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.4	.0	.0	.0	.0	.4	.1	.5	.0	.0	.0	.0	.6	
1-2	.0	.8	.0	.0	.0	.0	.8	.1	.8	.0	.0	.0	.0	.9	
3-4	.0	.3	.0	.0	.0	.0	.3	.0	.0	.5	.0	.0	.0	.5	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.5	.0	.0	.0	.0	1.5	.2	1.3	.5	.0	.0	.0	2.0	90.4

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	19.3	9.3	.0	.0	.0	.0	28.6	085
1-2	5.0	29.3	1.5	.0	.0	.0	35.9	
3-4	.0	16.6	10.0	.0	.0	.0	26.6	
5-6	.4	2.3	3.9	.0	.0	.0	6.6	
7	.0	.0	2.3	.0	.0	.0	2.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	24.7	57.5	17.8	.0	.0	.0	100.0	259

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	3.6	10.9	11.8	5.6	1.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	120	3
6-7	.0	1.7	8.7	9.8	2.5	.6	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	84	5
8-9	.0	.6	3.1	3.4	3.1	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	40	5
10-11	.0	1.1	1.1	.6	1.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	5
12-13	.0	.0	.3	.3	.3	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	6
13-14	.0	.0	.0	.6	.3	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	7
INDT	6.2	4.5	8.1	4.2	1.1	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	88	3
TOTAL	35	67	118	87	37	7	5	.0	.0	.0	1	.0	.0	.0	.0	.0	.0	.0	.0	397	4
PCT	9.8	18.8	33.1	24.4	10.4	2.0	1.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

APRIL

PERIOD: (PRIMARY) 1910-1971
(OVER-ALL) 1862-1971AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA	
N	10.3	10.9	3.3	.0	.0	.0	.9	25.4	5.6	.0	1.8	.0	.0	.0	.0	67.2
NE	7.7	12.1	.9	.0	.0	.0	.0	20.8	4.5	3.5	.8	.0	.0	.0	.0	71.4
E	6.0	16.0	1.0	.0	.0	.0	.0	23.1	5.2	2.9	2.4	.0	.0	.0	.0	68.2
SE	11.0	12.4	1.4	.0	.0	.0	.0	24.9	5.0	1.4	3.2	.0	.0	.0	.0	65.4
S	11.3	9.3	.0	.0	.0	.0	.0	20.6	2.1	.0	6.2	.0	.0	.0	.0	71.1
SW	33.7	.0	1.1	.0	.0	.0	.0	34.8	.0	4.3	.0	.0	.0	.0	.0	65.2
W	42.3	10.3	3.8	.0	.0	.0	.0	56.4	.0	.0	.0	.0	.0	.0	.0	43.6
NW	25.5	9.2	.0	.0	.0	.0	.0	34.6	5.2	2.6	.0	.0	.0	.0	.0	57.5
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	9.7	9.7	6.5	.0	.0	.0	.0	25.8	6.5	.0	.0	.0	.0	.0	.0	67.7
TOT PCT	10.8	12.1	1.5	.0	.0	.0	.1	24.6	4.6	2.1	1.9	.0	.0	.0	.0	67.5
TOT OBS:	841															

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA								NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA	
00003	9.2	10.2	2.4	.0	.0	.0	.0	21.4	5.8	3.9	1.9	.0	.0	.0	.0	68.4
06009	12.1	15.2	.7	.0	.0	.0	.0	28.0	4.8	4.2	3.1	.0	.0	.0	.0	60.9
12015	11.1	10.1	.5	.0	.0	.0	.0	21.6	5.8	.0	.5	.0	.0	.0	.0	72.1
18021	10.0	14.7	2.2	.0	.0	.0	.4	27.2	3.2	2.2	1.8	.0	.0	.0	.0	66.7
TOT PCT	10.7	12.9	1.4	.0	.0	.0	.1	25.1	4.8	2.6	1.9	.0	.0	.0	.0	68.5
TOT OBS:	982															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	2.1	7.2	2.2	.1	.0	.0		11.6	7.5	15.5	11.5	10.7	10.2	10.3	11.1	13.6	10.8	
NE	3.8	19.1	4.3	.1	.0	.0		27.2	7.4	28.0	28.3	25.7	27.6	29.7	27.0	25.3	29.5	
E	3.6	16.1	3.6	*	.0	.0		23.3	7.2	20.2	24.9	22.3	21.7	20.5	25.8	23.3	24.3	
SE	2.7	12.0	2.9	*	.0	.0		17.7	7.4	14.0	17.1	16.8	19.4	19.0	17.9	18.6	16.9	
S	1.5	3.1	.4	.0	.0	.0		5.0	5.6	5.0	4.1	6.2	5.2	6.0	4.9	5.1	3.9	
SW	.7	1.7	.1	.0	.0	.0		2.5	5.6	2.7	2.2	2.8	3.5	1.6	2.1	2.3	2.2	
W	.3	1.6	.1	.0	.0	.0		1.9	6.5	1.7	1.7	2.1	1.9	2.2	2.2	2.0	1.3	
NW	.7	1.9	.3	.0	.0	.0		3.0	6.3	5.0	2.1	4.0	2.5	4.2	2.7	2.8	2.5	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	7.9							7.9	.0	8.0	8.1	9.4	8.2	6.5	6.4	7.0	8.6	
TOT OBS	683	1848	410	5	0	0	2946		6.6	150	382	499	403	138	407	559	408	
TOT PCT	23.2	62.7	13.9	.2	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00	06	12	18	21
N	5.5	5.8	.3	.0	.0		11.6	7.5	12.6	10.4	10.9	12.4	
NE	13.1	13.5	.6	.0	.0		27.2	7.4	28.2	26.6	27.7	27.1	
E	11.6	11.2	.5	.0	.0		23.3	7.2	23.5	22.0	24.4	23.7	
SE	8.2	9.1	.3	*	.0		17.7	7.4	16.3	18.0	18.2	17.9	
S	3.4	1.6	.0	.0	.0		5.0	5.6	4.3	5.8	5.1	4.6	
SW	1.7	.7	*	.0	.0		2.5	5.6	2.3	3.1	2.0	2.3	
W	1.1	.8	*	.0	.0		1.9	6.5	1.7	2.0	2.2	1.7	
NW	1.8	1.2	*	.0	.0		3.0	6.3	2.9	3.3	3.1	2.6	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	7.9						7.9	.0	8.1	8.9	6.4	7.7	
TOT OBS	1599	1291	55	1	0	2946		6.6	532	902	545	967	
TOT PCT	54.3	43.8	1.9	*	.0		100.0		100.0	100.0	100.0	100.0	

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+		
00003	8.1	14.5	64.5	13.0	.0	.0	.0	6.5	532
04009	8.9	16.4	61.6	12.9	.2	.0	.0	6.5	902
12015	6.4	14.1	63.7	15.6	.2	.0	.0	6.8	545
18021	7.7	15.4	62.3	14.5	.2	.0	.0	6.6	967
TOT	232	451	1848	410	5	0	0	6.6	2946
PCT	7.9	15.3	62.7	13.9	.2	.0	.0	100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	1.4	1.6	7.0	5.6		6.1
NE	3.8	5.1	11.7	6.2		5.4
E	3.5	5.4	6.9	4.5		5.1
SE	2.4	5.1	4.2	4.0		5.0
S	1.7	1.7	1.3	1.2		4.3
SW	.3	.7	.3	1.3		5.9
W	.0	.6	.8	1.7		6.7
NW	.3	.8	.8	2.4		6.4
VAR	.0	.0	.0	.0		.0
CALM	1.5	2.1	1.0	1.0		4.1
TOT OBS	58	90	133	109	390	5.3
TOT PCT	14.9	23.1	34.1	27.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	399	999	1999	3499	4999	6499	7999			
N	.0	.0	.0	2.1	3.4	2.6	.5	.0	.0	.3	6.8	
NE	.0	.0	.3	2.8	3.1	2.2	1.4	.4	.0	.0	16.7	
E	.0	.0	.3	3.6	2.2	1.2	.7	.4	.0	.0	12.1	
SE	.0	.0	.3	1.4	2.2	.9	.7	.3	.0	.0	10.0	
S	.3	.0	.2	.4	1.0	.1	.0	.3	.0	.0	3.7	
SW	.0	.0	.3	.3	.1	.6	.0	.0	.0	.0	1.2	
W	.0	.0	.0	.8	.6	.1	.5	.0	.0	.0	1.1	
NW	.0	.0	.5	.4	1.6	.2	.0	.0	.0	.0	1.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	1	0	.3	.6	.5	.0	.0	.0	.0	.5	4.4	390
TOT PCT	.3	.0	2.1	11.8	14.6	7.9	3.8	1.3	.0	.8	57.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.7	.9	.9	.9	.9	.9	.9	.9
>5000	1.6	1.8	2.0	2.2	2.2	2.2	2.2	2.2
>3500	3.6	4.9	5.4	5.6	5.6	5.6	5.6	5.6
>2000	8.3	11.9	12.3	12.6	12.6	12.6	12.6	12.6
>1000	17.3	24.7	25.8	26.0	26.0	26.0	26.0	26.0
>600	23.8	35.4	37.7	37.9	38.1	38.1	38.1	38.1
>300	24.9	36.8	39.5	39.7	39.9	39.9	39.9	39.9
>150	24.9	36.8	39.5	39.7	39.9	39.9	39.9	39.9
>0	24.9	37.0	39.7	39.9	40.1	40.1	40.1	40.1
TOTAL	111	165	177	178	179	179	179	179

TOTAL NUMBER OF OBS: 446

PCT FREQ NH <5/8: 59.9

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.1	9.4	16.5	17.1	12.1	7.9	7.1	8.1	18.3	.2	480

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.4	
	NO PCP	.1	.2	.5	.5	.4	.0	.0	.0	.0	.0	1.7	
	TOT %	.2	.4	.5	.6	.4	.0	.0	.0	.0	.0	2.0	
1<2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.1	.4	.3	.3	.0	*	.2	.1	.0	.0	1.4	
	NO PCP	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.1	.5	.3	.3	.0	*	.2	.1	.0	.0	1.5	
5<10	PCP	2.8	4.3	3.8	3.7	1.2	.8	.6	1.0	.0	.7	18.8	
	NO PCP	9.8	12.1	8.3	4.3	1.8	.8	.5	1.9	.0	.4	33.8	
	TOT %	6.6	16.3	12.1	7.9	3.0	1.7	1.1	2.9	.0	1.1	52.6	
10+	PCP	.3	1.1	1.0	*	.0	.1	.5	.5	.0	.2	3.8	
	NO PCP	6.0	10.2	8.6	7.7	2.4	1.0	.5	1.0	.0	2.4	39.9	
	TOT %	6.3	11.3	9.6	7.7	2.4	1.0	1.0	1.5	.0	2.6	43.7	
TOT OBS													840
TOT PCT													100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	.0	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.1	.0	*	.1	.1	.0	.0	.0	.0	.0	.3	
	4-10	.1	.1	.2	.2	*	.0	.0	.0	.0	.0	.6	
	11-21	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.2	.2	.2	.3	.2	.0	.0	.0	.0	.0	1.0	
1<2	0-3	.0	.1	.1	*	*	.0	.0	.0	.0	.1	.2	
	4-10	.1	.1	.1	.1	.0	.1	*	.0	.0	.0	.5	
	11-21	.0	*	*	*	*	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.1	.2	.2	.1	.1	.1	*	.0	.0	.1	.8	
2<5	0-3	.1	.1	*	.0	.0	.0	.1	.0	.0	.2	.4	
	4-10	.2	.4	.3	.3	.1	*	.2	*	.0	.0	1.4	
	11-21	*	.2	.1	.1	.0	.0	.0	.0	.0	.0	.5	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.3	.7	.5	.4	.1	*	.2	.1	.0	.2	2.3	
5<10	0-3	.7	1.3	1.1	.6	.8	.2	.1	.5	.0	.9	6.4	
	4-10	2.7	7.1	4.5	3.2	1.2	.8	.5	.9	.0	.0	21.0	
	11-21	.6	1.8	1.5	1.0	.2	.1	.1	.2	.0	.0	5.3	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	4.0	10.2	7.1	4.8	2.2	1.1	.6	1.6	.0	.9	32.7	
10+	0-3	1.3	2.6	2.2	1.6	.8	.5	.2	.5	.0	4.4	14.1	
	4-10	4.5	11.0	12.1	9.4	2.2	.9	.9	.9	.0	.0	41.9	
	11-21	1.1	1.8	1.6	2.4	.2	.1	.0	.0	.0	.0	7.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	6.9	15.4	15.9	13.4	3.2	1.4	1.1	1.4	.0	4.4	63.1	
TOT OBS													1729
TOT PCT													100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	3.6	15.5	10.9	7.3	3.6	.9	.0	.9	42.7	57.3	110
06009	.9	.0	.0	14.2	10.4	9.4	2.8	.0	.0	1.9	39.6	60.4	106
12015	.0	.0	2.4	7.3	14.6	4.9	3.3	1.6	.0	.0	34.1	65.9	123
18021	.0	.0	1.7	10.7	16.5	5.8	3.3	2.5	.0	.8	41.3	58.7	121
TMT	1	0	9	54	61	31	15	6	0	4	181	279	460
PCT	.2	.0	2.0	11.7	13.3	6.7	3.3	1.3	.0	.9	39.3	60.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	1.1	.6	2.8	37.9	57.6	354
06009	.4	1.3	1.3	2.0	37.1	58.0	552
12015	.0	.5	1.1	2.1	28.9	67.4	377
18021	.0	1.0	.3	2.5	33.2	62.9	590
TOT	2	19	15	44	644	1149	1873
PCT	.1	1.0	.8	2.3	34.4	61.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	2.8	19.6	23.4	57.0	107
06009	1.0	1.0	16.3	24.0	59.6	104
12015	.0	3.4	11.8	23.5	64.7	119
18021	.0	1.7	14.7	27.6	57.8	116
TOT	1	10	69	110	267	446
PCT	.2	2.2	15.5	24.7	59.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	.4	2.2	.4	.2	16	3.2
80/84	.0	.0	.0	.0	.6	20.5	35.6	7.8	321	64.6
75/79	.0	.0	.0	.0	.0	1.4	16.1	13.9	156	31.4
70/74	.0	.0	.0	.0	.0	.0	.0	.6	3	.6
TOTAL	0	0	0	0	5	121	259	112	497	100.0
PCT	.0	.0	.0	.0	1.0	24.3	52.1	22.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90/94	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
85/89	.0	1.4	.5	.3	.0	.0	.0	.2	.0	.8
80/84	8.9	18.9	13.0	12.1	4.1	1.2	.7	2.3	.0	3.4
75/79	5.1	7.4	6.2	3.7	2.1	1.4	1.5	2.3	.0	1.8
70/74	.3	.0	.0	.0	.0	.1	.2	.1	.0	.0
TOTAL	14.3	27.7	19.7	16.1	6.2	2.6	2.3	5.0	.0	6.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	83	82	82	80	77	76	73	79.7	557
06009	87	84	82	80	76	74	73	79.5	947
12015	91	88	86	82	77	74	73	81.5	559
18021	90	87	85	81	77	74	71	80.8	993
TOT	91	86	84	80	77	74	71	80.3	3056

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.7	19.3	56.4	23.6	85	140
06009	.0	.0	.0	12.3	58.7	29.0	86	133
12015	.0	.0	.7	39.3	44.4	15.6	82	135
18021	.0	.0	2.7	30.0	48.0	19.3	83	130
TOT	0	0	6	144	302	128	84	580

APRIL

PERIOD: (PRIMARY) 1910-1971
(OVER-ALL) 1862-1971AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WD FOG
9/10	.0	.0	.1	.0	.0	1	.0	.1
7/8	.0	.2	.0	.2	.1	5	.0	.6
5	.0	.0	.0	.2	.1	3	.0	.3
4	.0	.0	.3	.5	.1	8	.0	.9
3	.0	.0	1.8	1.2	.0	27	.0	3.0
2	.0	.2	2.4	.9	.0	31	.1	3.4
1	.0	.9	6.2	.6	.0	68	.0	7.7
0	.0	2.5	12.2	.2	.0	132	.7	14.2
-1	.0	8.5	11.0	.0	.0	173	.6	18.9
-2	.1	14.1	9.2	.0	.0	172	.2	19.2
-3	.2	11.2	1.7	.0	.0	116	.2	12.9
-4	1.2	6.8	.9	.0	.0	79	.2	8.7
-5	1.0	2.5	.7	.0	.0	37	.0	4.2
-6	1.6	1.2	.0	.0	.0	25	.0	2.8
-7/-8	.5	.5	.0	.0	.0	8	.0	.9
-9/-10	.0	.1	.0	.0	.0	1	.0	.1
-11/-13	.1	.0	.0	.0	.0	1	.0	.1
TOTAL	42		377		3		18	869
PCT	4.7	48.6	42.5	3.8	.3	100.0	2.0	98.0

PERIOD: (OVER-ALL) 1963-1971

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	2.4	.0	.0	.0	.0	2.4	.0	2.9	.0	.0	.0	.0	2.9
1-2	1.1	6.3	.3	.0	.0	.0	7.7	1.7	13.9	1.0	.0	.0	.0	16.6
3-4	.0	2.7	1.4	.0	.0	.0	4.1	.9	6.3	1.7	.0	.0	.0	8.9
5-6	.0	.0	1.1	.0	.0	.0	1.1	.0	.4	1.5	.0	.0	.0	1.9
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	11.4	2.8	.0	.0	.0	15.3	2.6	23.5	4.7	.0	.0	.0	30.7

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.8	.0	.0	.0	.0	.8	1.5	.9	.0	.0	.0	.0	2.4
1-2	1.5	12.9	.9	.0	.0	.0	15.3	.2	5.6	.4	.0	.0	.0	6.3
3-4	.0	1.9	1.5	.0	.0	.0	3.5	.4	3.7	1.0	.0	.0	.0	5.1
5-6	.0	.0	.8	.0	.0	.0	.8	.0	.0	.5	.0	.0	.0	.5
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.5	15.6	3.1	.0	.0	.0	20.2	2.2	10.2	2.4	.0	.0	.0	14.7

PERIOD: (OVER-ALL) 1963-1971

APRIL

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.6	.3	.0	.0	.0	.0	1.0	.0	.2	.0	.0	.0	.0	.2
1-7	.4	2.1	.0	.0	.0	.0	2.5	.4	.6	.0	.0	.0	.0	1.1
3-4	.0	1.2	.0	.0	.0	.0	1.2	.0	.5	.0	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.1	3.6	.0	.0	.0	.0	4.7	.4	1.4	.0	.0	.0	.0	1.8

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.9	
1-2	.0	1.4	.0	.0	.0	.0	1.4	.6	2.7	.0	.0	.0	.0	3.4	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	1.7	.0	.0	.0	.0	1.7	1.5	3.2	.0	.0	.0	.0	4.8	93.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	13.0	9.4	.0	.0	.0	.0	22.4	
1-2	6.7	41.7	2.4	.0	.0	.0	50.8	
3-4	1.6	15.0	5.1	.0	.0	.0	21.7	
5-6	.0	.8	3.5	.0	.0	.0	4.3	
7	.0	.0	.8	.0	.0	.0	.8	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	21.3	66.9	11.8	.0	.0	.0	100.0	254

PERIOD: (OVER-ALL) 1949-1971

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.4	15.5	12.5	3.9	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	118	3
6-7	.0	3.5	6.3	8.0	2.4	.9	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	73	4
8-9	.0	.9	1.5	4.2	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	29	5
10-11	.0	1.2	1.8	.3	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	15	4
12-13	.0	.0	1.2	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3	5
INDET	5.1	6.8	9.8	3.6	2.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	93	3
TOTAL	23	94	111	70	28	5	3	0	0	0	0	0	0	0	0	0	0	0	0	336	3
PCT	7.4	28.0	33.0	20.8	8.3	1.5	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
N	15.8	14.6	.0	.0	.0	.0	.0	30.4	5.1	.0	.0	.0	.0	.0	64.6
NE	6.0	14.5	1.8	.0	.0	.0	.0	22.4	5.6	1.8	.0	.0	.0	.0	70.2
E	2.5	7.6	1.2	.0	.0	.0	.0	10.9	3.8	.4	4.7	.0	.0	.0	80.2
SE	2.3	4.9	.4	.0	.0	.0	.0	7.6	3.1	.4	2.9	.0	.0	.0	86.1
S	5.5	5.5	.0	.0	.0	.0	.0	11.0	2.5	.0	.0	.0	.0	.0	86.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	2.3	.0	.0	.0	.0	.0	97.7
W	18.2	18.2	.0	.0	.0	.0	.0	36.4	.0	.0	.0	.0	.0	.0	63.6
NW	16.9	11.3	5.6	.0	.0	.0	.0	28.2	.0	.0	.0	.0	.0	.0	71.8
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	16.7	.0	.0	.0	.0	.0	.0	16.7	.0	5.6	.0	.0	.0	.0	77.9
TOT PCT	4.6	7.8	.9	.0	.0	.0	.0	13.0	3.5	.6	2.6	.0	.0	.0	80.3
TOT OBS:	798														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							NO SIG WEA
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG NO PCPN	FOG NO PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	
00003	7.9	8.4	2.1	.0	.0	.0	.0	17.4	4.2	2.6	1.1	.0	.0	.0	75.8
06009	5.4	7.4	.4	.0	.0	.0	.0	13.2	2.7	.4	3.5	.0	.0	.0	80.2
12015	6.9	6.3	1.1	.0	.0	.0	.0	14.3	4.2	.0	1.1	.0	.0	.0	80.4
18021	5.6	9.9	.0	.0	.0	.0	.0	13.5	4.4	.0	3.6	.0	.0	.0	76.6
TOT PCT	6.3	8.1	.8	.0	.0	.0	.0	13.0	3.8	.7	2.5	.0	.0	.0	78.3
TOT OBS:	888														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	1.2	2.6	.8	*	.0	.0		4.7	6.4	3.5	6.2	4.6	4.1	3.3	3.7	5.2	5.0	
NE	2.2	7.1	1.5	*	.0	.0		10.8	6.8	14.5	10.0	10.4	12.3	12.9	9.8	11.2	9.1	
E	2.5	16.4	9.9	*	.0	.0		24.8	8.3	33.5	26.0	24.2	23.7	25.0	22.4	25.1	25.1	
SE	2.8	23.3	12.8	.5	.0	.0		39.4	9.4	31.8	39.5	37.6	39.8	40.0	42.8	38.6	41.0	
S	1.5	5.5	1.7	*	.0	.0		8.8	7.4	7.2	7.6	9.4	9.8	9.2	9.9	8.1	8.3	
SW	.5	1.5	.3	.0	.0	.0		2.2	6.3	2.2	2.8	3.0	1.7	1.3	1.8	1.4	2.8	
W	.3	1.0	.2	.0	.0	.0		1.5	6.5	.6	1.2	1.4	1.5	2.9	1.1	2.0	1.1	
NW	.6	1.6	.2	.0	.0	.0		2.4	5.7	.2	2.1	1.4	1.9	2.8	2.6	3.4	3.3	
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	5.5							5.5	.0	6.6	4.6	8.0	5.0	2.6	5.9	5.0	4.2	
TOT OBS	541	1868	744	19	0	0	3172		7.8	136	410	561	438	153	473	595	406	
TOT PCT	17.1	58.9	23.5	.6	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	00 03					06 09	12 15	18 21	
N	2.9	1.7	.1	.0	.0		4.7	6.4	5.5	4.4	3.6	5.1	
NE	6.0	4.5	.2	.0	.0		10.8	6.8	11.1	11.3	10.5	10.3	
E	9.4	14.4	1.1	.0	.0		24.8	8.3	27.8	24.0	23.0	23.1	
SE	11.9	24.4	3.1	*	.0		39.4	9.4	37.6	38.6	42.1	39.6	
S	4.6	3.8	.4	*	.0		8.8	7.4	7.5	9.6	9.7	8.2	
SW	1.5	.6	.1	.0	.0		2.2	6.3	2.7	2.5	1.7	2.0	
W	.9	.5	*	.0	.0		1.5	6.5	1.1	1.4	1.5	1.6	
NW	1.7	.7	*	.0	.0		2.4	5.7	1.6	1.6	2.7	3.3	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	5.5						5.5	.0	5.1	6.7	5.1	4.7	
TOT OBS	1407	1604	160	1	0	3172		7.8	546	999	626	1001	
TOT PCT	44.4	50.6	5.0	*	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1859-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CAL-1	1-3	4-10	WIND SPEED (KNOTS)				4R+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-23	34-47					
0000	5.1	12.6	61.9	20.0	.4	.0	.0	.0	7.6	100.0	346
0600	6.7	11.0	56.9	24.8	.6	.0	.0	.0	7.8	100.0	999
1200	5.1	11.8	55.6	27.2	.3	.0	.0	.0	8.1	100.0	626
1800	4.7	11.4	61.3	21.7	.9	.0	.0	.0	7.8	100.0	1001
TOT	174	367	1868	744	19	0	0	0	7.8		3172
PCT	5.5	11.6	58.9	23.5	.6	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBS	TOTAL OBS	MEAN CLOUD COVER
N	.6	1.5	1.5	1.6		5.2
NE	2.0	3.8	4.7	2.9		4.9
E	8.9	9.6	6.7	4.1		4.1
SE	9.1	8.9	11.5	3.8		4.3
S	.9	1.3	3.1	1.1		3.3
SW	.0	.1	1.2	.5		6.5
W	.0	.7	.5	1.1		6.2
NW	.0	.6	1.3	.3		5.6
VAR	.0	.0	.0	.0		.0
CALM	1.8	.8	.5	1.3		4.0
TOT OBS	92	116	123	66	397	4.5
TOT PCT	23.2	29.2	31.0	16.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
	149	299	599	999	1999	3499	4999	6499	7999			
N	.0	.0	.3	.7	.9	.2	.0	.0	.0	.0	2.8	
NE	.0	.3	.8	2.5	.3	.7	.0	.0	.0	.0	10.9	
E	.0	.0	.8	1.2	2.3	.5	1.1	.6	.0	.0	22.8	
SE	.0	.3	.0	1.3	4.2	1.9	1.7	.6	.0	.3	23.0	
S	.3	.2	.0	.0	.4	1.0	.0	.4	.0	.0	4.0	
SW	.0	.1	.0	.0	.6	.6	.0	.1	.0	.0	.4	
W	.0	.0	.0	.4	.4	.3	.3	.0	.0	.0	1.0	
NW	.0	.0	.0	.1	.4	.5	.0	.0	.0	.0	1.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.3	.5	.5	.0	.0	.0	.0	.0	3.0	
TOT OBS	1	4	7	20	49	21	13	7	0	1	274	397
TOT PCT	.3	1.0	1.8	5.0	12.3	5.3	3.3	1.8	.0	.3	69.0	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.2	.2	.2	.2	.2	.2	.2	.2
>5000	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8
>3500	4.8	6.2	6.2	6.2	6.2	6.2	6.2	6.2
>2000	9.2	11.5	11.5	11.5	11.5	11.5	11.5	11.5
>1000	17.5	22.1	23.3	23.3	23.5	23.5	23.5	23.5
>600	21.0	27.2	28.6	29.0	29.3	29.5	29.5	29.5
>300	21.9	29.0	30.6	31.1	31.6	31.8	31.8	31.8
>150	22.4	30.0	31.6	32.0	32.5	32.7	32.7	32.7
>0	22.6	30.2	31.8	32.3	32.7	32.9	32.9	32.9
TOTAL	98	131	138	140	142	143	143	143

TOTAL NUMBER OF OBS: 434

PCT FREQ NH <5/8: 67.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBS	TOTAL OBS
	2.6	12.7	20.2	17.4	13.5	7.1	8.2	6.0	12.4	.0	466

MAY

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973

TABLE 8

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.2WPERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3	
	NO PCP	.0	.1	1.4	.4	.0	.0	.0	.0	.0	.0	1.9	
	TOT %	.0	.1	1.4	.5	.0	.0	.0	.0	.0	.1	2.1	
1<2	PCP	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
2<5	PCP	.0	.5	.3	.0	.0	.0	.0	.0	.0	.1	.9	
	NO PCP	.0	.1	.0	.1	.0	.0	.0	.0	.0	.3	.5	
	TOT %	.0	.6	.3	.1	.0	.0	.0	.0	.0	.4	1.4	
5<10	PCP	1.4	2.3	2.5	1.4	.5	.0	.2	.6	.0	.1	9.0	
	NO PCP	1.2	4.3	11.9	14.9	3.4	.4	.2	.8	.0	.0	37.1	
	TOT %	2.6	6.6	14.4	16.3	3.9	.4	.4	1.4	.0	.1	46.1	
10+	PCP	.1	.3	.4	1.1	.3	.0	.3	.1	.0	.0	2.6	
	NO PCP	2.2	6.4	14.9	15.8	3.1	1.0	.7	.8	.0	1.6	47.5	
	TOT %	2.3	6.6	15.4	17.9	3.5	1.0	1.0	.8	.0	1.6	50.1	
TOT OBS													
TOT PCT													
		4.9	14.0	31.7	34.8	7.4	1.3	1.4	2.2	.0	2.3	100.0	798

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	11-21	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.1	.3	.*	.0	.0	.0	.0	.0	.0	.6	
	11-21	.*	.*	.4	.2	.0	.0	.0	.0	.0	.0	.7	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.*	.1	.7	.2	.0	.0	.0	.0	.0	.1	1.2	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	
	4-10	.0	.0	.1	.1	.*	.0	.0	.0	.0	.0	.2	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.1	.1	.*	.0	.0	.0	.0	.1	.3	
2<5	0-3	.0	.1	.1	.*	.0	.0	.0	.0	.0	.3	.5	
	4-10	.*	.2	.2	.5	.0	.0	.1	.1	.0	.0	1.0	
	11-21	.0	.2	.1	.1	.*	.0	.0	.0	.0	.0	.5	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.*	.5	.4	.7	.*	.1	.1	.1	.0	.3	2.1	
5<10	0-3	.4	.6	1.0	.7	.4	.2	.2	.2	.0	.7	4.3	
	4-10	.9	2.4	4.8	5.7	1.9	.3	.2	.6	.0	.0	16.6	
	11-21	.4	.8	2.0	3.3	.4	.0	.*	.2	.0	.0	7.0	
	22+	.0	.*	.*	.3	.*	.0	.0	.0	.0	.0	.4	
	TOT %	1.6	3.8	7.8	10.0	2.7	.5	.3	1.0	.0	.7	28.3	
10+	0-3	.7	1.3	1.6	2.0	1.0	.2	.2	.2	.0	3.1	10.4	
	4-10	1.9	4.9	13.9	17.5	2.9	.8	.5	.8	.0	.0	43.2	
	11-21	.5	.9	4.2	7.5	.8	.2	.2	.1	.0	.0	14.4	
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	3.1	7.1	19.8	27.0	4.6	1.1	.9	1.2	.0	3.1	68.0	
TOT OBS													
TOT PCT													
		4.8	11.4	28.9	38.0	7.4	1.6	1.3	2.2	.0	4.4	100.0	1652

MAY

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00203	.0	.0	3.7	7.3	9.2	3.7	7.3	2.8	.0	.9	34.9	65.1	109
06209	.0	.0	.9	5.5	12.8	8.3	3.7	.9	.0	.0	32.1	67.9	109
12215	.9	.9	.9	3.4	12.1	5.2	4.3	1.7	.0	.0	29.3	70.7	116
18221	.0	2.5	3.4	6.8	11.9	3.4	1.7	.8	.0	.0	30.5	69.5	118
TOT	1	4	10	26	52	23	19	7	0	1	143	309	492
PCT	.2	.9	2.2	5.8	11.5	5.1	4.2	1.5	.0	.2	31.6	68.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00203	.3	1.2	.3	1.5	32.7	63.9	324
06209	.0	1.1	.2	1.9	34.4	62.4	526
12215	.0	.8	.8	1.9	23.4	73.1	364
18221	.2	1.1	.2	2.6	29.3	66.5	529
TOT	2	19	6	36	527	1193	1743
PCT	.1	1.1	.3	2.1	30.2	66.2	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOUR (GMT)	<150 <30YD	<600 CL	<1000 CL	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00203	.0	4.8	12.4	23.8	63.8	105
06209	.0	1.0	9.8	25.5	64.7	102
12215	.9	3.5	8.0	22.1	69.9	113
18221	.0	6.1	14.9	17.5	67.5	114
TOT	1	17	49	96	289	434
PCT	.2	3.9	11.3	22.1	66.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FRFQ
90/94	.0	.0	.0	.0	.0	.2	.0	.0	1	.2
85/89	.0	.0	.0	.0	.4	2.9	.9	.0	19	4.2
80/84	.0	.0	.0	.0	.9	28.9	34.2	6.0	317	70.0
75/79	.0	.0	.0	.0	.0	2.2	14.3	9.1	116	25.6
TOTAL	0	0	0	0	6	155	224	68	492	100.0
PCT	.0	.0	.0	.0	1.3	34.2	49.4	15.0		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
.3	.3	1.1	1.4	.4	.0	.0	.2	.0	.4
2.4	11.0	20.8	26.5	4.6	.9	.7	.8	.0	2.2
2.2	2.9	7.3	7.0	2.4	1.2	1.1	1.1	.0	.4
4.9	14.3	29.2	34.9	7.4	2.1	1.8	2.2	.0	3.1

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00203	83	82	82	80	77	75	74	79.7	535
06209	86	84	82	80	77	75	73	79.7	1004
12215	91	87	85	82	78	76	73	81.7	615
18221	92	88	85	81	77	76	73	81.1	1000
TOT	92	86	84	81	77	75	73	80.5	3174

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00203	.0	.0	.0	25.0	55.8	19.2	84	120
06209	.0	.0	.8	18.5	58.5	22.3	85	130
12215	.0	.0	2.6	43.5	42.6	11.3	81	115
18221	.0	.0	2.3	44.3	37.4	16.0	82	131
TOT	0	0	7	162	241	86	83	496

PERIOD: (PRIMARY) 1908-1973
(OVER-ALL) 1855-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WU FOG
7/8	.0	.0	.0	.0	.3	2	.0	.3
6	.0	.0	.1	.1	.0	2	.0	.3
5	.0	.0	.3	.3	.4	7	.0	.9
4	.0	.0	.8	.7	.0	11	.0	1.4
3	.0	.5	.7	.9	.0	16	.0	2.1
2	.0	.5	3.5	1.4	.0	42	.1	5.3
1	.0	1.0	8.7	.1	.0	76	.5	9.4
0	.0	6.0	11.1	.1	.0	132	.9	16.3
-1	.0	12.5	11.7	.0	.0	186	1.0	23.1
-2	.0	10.8	4.7	.0	.0	119	.1	15.3
-3	.0	8.8	1.7	.1	.0	82	.0	10.7
-4	1.0	3.4	.8	.0	.0	40	.0	5.2
-5	.7	2.0	.3	.0	.0	22	.0	2.9
-6	.9	1.6	.0	.0	.0	19	.0	2.5
-7/-8	.9	.8	.0	.0	.0	13	.0	1.7
TOTAL	27		340		5		21	748
PCT	3.5	47.9	44.2	3.8	.7	100.0	2.7	97.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.5	.0	.0	.0	.0	.0	.5	1.9	1.7	.0	.0	.0	.0	3.2
1-2	.0	3.4	1.2	.0	.0	.0	4.6	.5	9.5	.1	.0	.0	.0	10.1
3-4	.0	.9	.0	.0	.0	.0	.9	.0	2.1	2.0	.0	.0	.0	4.1
5-6	.0	.0	.0	.0	.0	.0	.0	.1	.5	.5	.0	.0	.0	1.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.2	1.2	.0	.0	.0	6.0	2.1	13.8	2.6	.0	.0	.0	18.5

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.9	2.1	.0	.0	.0	.0	3.0	1.1	2.4	.0	.0	.0	.0	3.5
1-2	1.0	11.7	1.2	.0	.0	.0	13.9	.6	12.1	1.9	.0	.0	.0	14.6
3-4	.0	7.2	3.7	.0	.0	.0	10.9	.0	5.8	5.2	.0	.0	.0	11.1
5-6	.4	.9	.7	.0	.0	.0	2.0	.0	1.1	.7	.0	.0	.0	1.8
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	2.2	21.9	5.7	.0	.0	.0	29.9	1.7	21.4	7.8	.0	.0	.0	31.0

PERIOD: (OVER-ALL) 1963-1973

MAY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S						PCT	SW						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.7	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0
1-2	.4	2.1	.9	.0	.0	.0	3.4	.0	.2	.0	.0	.0	.0	.2
3-4	.0	1.2	.5	.0	.0	.0	1.7	.0	.1	.5	.0	.0	.0	.6
5-6	.0	.5	.5	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.4	4.6	1.9	.0	.0	.0	6.8	.0	.4	.5	.0	.0	.0	.9

HGT	W						PCT	NW						PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.4	.0	.0	.0	.0	.4	.0	.5	.1	.0	.0	.0	.6	
3-4	.0	.5	.0	.0	.0	.0	.5	.0	.5	.0	.0	.0	.0	.5	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.9	.0	.0	.0	.0	.9	.0	1.0	.1	.0	.0	.0	1.1	95.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT
<1	10.5	7.3	.0	.0	.0	.0	17.7	085
1-2	4.5	38.2	5.0	.0	.0	.0	47.7	
3-4	.5	17.7	10.9	.0	.0	.0	29.1	
5-6	.5	2.7	2.3	.0	.0	.0	5.5	
7	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	15.9	65.9	18.2	.0	.0	.0	100.0	220

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	2.0	12.2	14.6	6.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	106	3
6-7	.0	3.4	10.5	9.9	1.4	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	75	4
8-9	.0	.7	3.7	4.1	2.7	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	.0	.7	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	4
12-13	.0	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4
INDET	2.0	8.8	4.1	5.1	1.4	1.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	67	3
TOTAL	12	76	101	80	19	4	2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	294	4
PCT	4.1	25.9	34.4	27.2	6.5	1.4	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1967-1973
(OVER-ALL) 1854-1973

JUNE

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.7	2.6	.0	.0	.0	.0	.0	3.3	.8	2.6	3.4	.0	.0	.0	89.9
SE	.6	2.7	.5	.0	.0	.0	.0	3.6	1.4	.3	1.8	.0	.0	.0	93.0
S	1.1	2.8	.0	.0	.0	.0	.0	4.0	3.1	1.1	.6	.0	.0	.0	92.3
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	20.0	.0	.0	.0	.0	.0	20.0	.0	.0	.0	.0	.0	.0	80.0
NW	.0	16.0	.0	.0	.0	.0	.0	16.0	.0	.0	.0	.0	.0	.0	84.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	9.1	.0	.0	.0	.0	.0	90.9
TOT PCT	.7	2.8	.3	.0	.0	.0	.0	3.5	1.4	1.0	2.0	.0	.0	.0	92.1
TOT OBS:	762														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FGG WD PCPN	FGG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.6	4.3	.0	.0	.0	.0	.0	4.9	1.2	3.1	3.1	.0	.0	.0	88.3
06009	.9	3.2	.9	.0	.0	.0	.0	4.5	1.4	1.4	1.8	.0	.0	.0	90.9
12015	1.2	1.7	.0	.0	.0	.0	.0	2.9	2.3	.0	1.2	.0	.0	.0	93.6
18021	.0	2.7	.0	.0	.0	.0	.0	2.7	.9	.0	1.8	.0	.0	.0	94.6
TOT PCT	.6	3.0	.3	.0	.0	.0	.0	3.7	1.4	1.0	1.9	.0	.0	.0	92.0
TOT OBS:	778														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WNO DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	.2	.3	.1	.0	.0	.0		.6	6.7	2.0	.2	.6	.6	1.2	.3	.6	.4
NE	.3	1.7	.8	.0	.0	.0		2.9	8.5	4.3	2.9	3.9	3.1	2.2	2.5	2.5	2.1
E	.7	15.2	10.0	.3	.0	.0		26.2	10.2	30.2	28.5	27.8	25.8	21.0	24.3	25.4	25.7
SE	1.3	30.1	22.9	1.0	.0	.0		55.3	10.6	48.4	54.0	52.0	57.1	60.2	58.4	56.1	55.6
S	.8	6.1	4.3	.2	*	.0		11.4	10.0	10.1	10.4	12.0	10.3	11.6	11.1	12.4	12.0
SW	.2	1.1	.2	.0	.0	.0		1.4	6.9	.7	1.3	2.0	1.0	1.3	1.8	1.1	1.6
W	.1	.4	.1	.0	.0	.0		.5	6.7	.5	.5	.7	.9	.3	.7	.3	.3
NW	*	.3	.1	.0	.0	.0		.4	8.4	.2	.5	.1	.4	.8	.2	.4	.8
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.3							1.3	.0	3.6	1.7	1.1	.8	1.3	.7	1.2	1.4
TOT OBS	149	1701	1186	46	1	0	3083		10.1	139	414	537	400	149	442	570	437
TOT PCT	4.8	55.2	38.5	1.5	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FRQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21
N	.3	.3	.0	.0	.0		.6	6.7	.7	.6	.5	.5
NE	1.2	1.4	.3	.0	.0		2.9	8.5	3.3	3.5	2.4	2.4
E	5.7	17.9	2.6	.0	.0		26.2	10.2	28.9	26.9	23.4	25.5
SE	10.0	39.0	6.3	.1	.0		55.3	10.6	52.6	54.2	58.8	55.8
S	3.3	6.8	1.3	* .0	.0		11.4	10.0	10.3	11.3	11.3	12.2
SW	.8	.6	* .0	.0	.0		1.4	6.9	1.2	1.5	1.7	1.3
W	.3	.2	.0	.0	.0		.5	6.7	.5	.7	.6	.3
NW	.1	.3	.0	.0	.0		.4	8.4	.4	.2	.4	.6
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	1.3						1.3	.0	2.2	1.0	.8	1.3
TOT OBS	712	2047	321	3	0	3083		10.1	553	937	591	1002
TOT PCT	23.1	66.4	10.4	.1	.0		100.0		100.0	100.0	100.0	100.0

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1854-1973

JUNE

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				4+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
00003	2.2	4.7	57.3	34.4	1.3	.2	.0	.0	9.6	100.0	553
06009	1.0	3.8	56.2	37.7	1.3	.0	.0	.0	10.0	100.0	937
12015	.8	2.0	51.9	42.6	2.5	.0	.0	.0	10.6	100.0	591
18021	1.3	3.6	54.9	39.0	1.2	.0	.0	.0	10.1	100.0	1002
TOT	39	110	1701	1186	46	1	0	10.1			3083
PCT	1.3	3.6	55.2	38.5	1.5	*	.0		100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.3	.6	.6	.0		3.5
NE	2.2	.9	.2	.9		2.8
E	10.5	9.8	4.2	1.6		3.1
SE	18.4	17.7	12.3	2.3		3.4
S	3.8	4.6	3.9	.5		3.7
SW	.0	.2	.5	.0		5.0
W	.0	.2	.3	.2		6.2
NW	.0	.3	.6	.2		6.1
VAR	.0	.0	.0	.0		.0
CALM	1.6	.2	.5	.2		2.4
TOT OBS	161	151	101	24	437	3.4
TOT PCT	36.8	34.6	23.1	5.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	1.4	
.0	.0	.2	.2	.0	.1	.0	.0	.0	.0	.0	3.1
.0	.0	.2	1.1	1.7	.5	.9	.1	.0	.2	22.0	
.0	.0	.1	1.4	4.7	1.1	1.0	.3	.0	.5	41.6	
.0	.0	.0	.5	.5	.1	.2	.0	.0	.0	11.5	
.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.5	
.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.4	
.0	.0	.2	.1	.2	.0	.0	.0	.0	.0	.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	2.3	
.0	.0	.3	1.6	3.4	.8	.7	.2	.0	.3	36.4	437
.0	.0	.7	3.7	7.8	1.8	1.6	.5	.0	.7	83.3	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.7	.7	.7	.7	.7	.7	.7	.7
>5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>3500	2.7	2.9	2.9	2.9	2.9	2.9	2.9	2.9
>2000	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7
>1000	11.7	12.4	12.4	12.4	12.4	12.4	12.4	12.4
>600	14.6	15.7	16.0	16.0	16.0	16.0	16.0	16.0
>300	15.1	16.4	16.6	16.6	16.6	16.6	16.6	16.6
>150	15.1	16.4	16.6	16.6	16.6	16.6	16.6	16.6
>0	15.1	16.4	16.6	16.6	16.6	16.6	16.6	16.6
TOTAL	67	73	74	74	74	74	74	74

TOTAL NUMBER OF OBS: 445

PCT FREQ NH <5/8: 83.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
7.7	17.8	24.1	22.2	11.0	6.7	1.9	3.9	4.7	.0	445

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1954-1973

JUNE

AREA 0024 ST. PETER AND PAUL ROCKS
6N 29.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.2	.5	.1	.0	.0	.0	.0	.0	.0	.8
	TOT %	.0	.0	.2	.5	.1	.0	.0	.0	.0	.0	.0	.8
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.1	.*	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.2
5<10	PCP	.0	.0	.8	1.0	.5	.0	.1	.1	.0	.0	.0	2.5
	NO PCP	.1	.6	11.3	19.1	2.9	.1	.1	.1	.0	.1	.1	34.4
	TOT %	.1	.6	12.0	20.1	3.4	.1	.2	.2	.0	.1	.1	36.9
10+	PCP	.0	.0	.1	.8	.0	.0	.0	.0	.0	.0	.0	.9
	NO PCP	.8	2.1	16.4	30.9	8.1	.5	.5	.6	.0	1.3	.1	61.2
	TOT %	.8	2.1	16.5	31.7	8.1	.5	.5	.6	.0	1.3	.1	62.1
TOT OBS													762
TOT PCT		1.0	2.7	28.8	52.5	11.5	.7	.7	.8	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSRY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.1	.2	.*	.0	.0	.0	.0	.0	.0	.4
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.1	.2	.*	.0	.0	.0	.0	.0	.0	.4
1<2	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
2<5	0-3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.2
	11-21	.0	.*	.1	.*	.0	.0	.0	.0	.0	.0	.0	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.*	.1	.1	.1	.1	.0	.0	.0	.0	.0	.4
5<10	0-3	.0	.0	.1	.2	.1	.0	.1	.1	.0	.1	.0	.8
	4-10	.1	.3	3.7	6.7	1.1	.2	.1	.1	.0	.0	.0	12.1
	11-21	.0	.*	2.3	4.1	.9	.0	.0	.0	.0	.0	.0	7.3
	22+	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.4
	TOT %	.1	.3	6.4	11.2	2.1	.2	.2	.2	.0	.1	.1	20.6
10+	0-3	.2	.5	.8	1.1	.8	.1	.0	.0	.0	1.2	.0	4.5
	4-10	.4	1.6	12.9	24.9	5.4	.9	.1	.2	.0	.0	.0	46.3
	11-21	.1	.4	7.5	16.2	2.5	.2	.2	.1	.0	.0	.0	27.2
	22+	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.4
	TOT %	.6	2.5	21.3	42.4	8.8	1.2	.2	.3	.0	1.2	.1	78.5
TOT OBS													1634
TOT PCT		.7	2.8	28.0	54.1	10.9	1.4	.4	.4	.0	1.3	100.0	

JUNE

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1854-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH > 4/8) AND
OCCURRENCE OF NH < 5/8 BY HOUR

HOURL (GMT)	000 149	150 289	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH < 5/8 ANY HGT	TOTAL OBS
00003	.0	.0	1.0	2.9	10.5	3.8	1.0	1.0	.0	1.9	21.9	78.1	105
06009	.0	.0	1.9	.9	9.3	1.9	.0	.0	.0	.0	14.0	86.0	107
12015	.0	.0	.0	5.6	6.5	.0	2.4	.0	.0	.8	15.3	84.7	124
18021	.0	.0	.0	4.1	4.1	1.6	3.3	.8	.0	.0	13.8	86.2	123
TOT	0	0	3	16	34	8	8	2	0	3	74	385	459
PCT	.0	.0	.7	3.5	7.4	1.7	1.7	.4	.0	.7	16.1	83.9	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.7	.0	.7	22.4	76.3	304
06009	.0	.4	.0	.6	23.8	75.2	495
12015	.0	.3	.3	.0	14.2	85.3	346
18021	.0	.2	.0	.4	21.6	77.8	505
TOT	0	6	1	7	344	1292	1650
PCT	.0	.4	.1	.4	20.8	78.3	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH > 4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH < 5/8 AND 5+	TOTAL OBS
00003	.0	1.0	3.9	18.6	77.5	102
06009	.0	1.9	2.9	11.5	85.6	104
12015	.0	.0	5.7	9.8	84.4	122
18021	.0	.0	4.3	10.3	85.5	117
TOT	0	3	19	55	371	445
PCT	.0	.7	4.3	12.4	83.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.4	.4	1.0	.6	.0	12	2.5
80/84	.0	.0	.0	.0	2.9	29.2	14.3	1.9	233	48.2
75/79	.0	.0	.0	.0	.0	16.4	26.9	5.6	236	48.9
70/74	.0	.0	.0	.0	.0	.0	.4	.0	2	.4
TOTAL	0	0	0	2	16	225	204	36	483	100.0
PCT	.0	.0	.0	.4	3.3	46.6	42.2	7.5		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.3	1.7	.3	.0	.0	.0	.0	.2
.9	.9	10.8	26.4	6.0	.5	.4	.5	.0	1.9
.6	2.3	15.2	22.6	6.8	.4	.4	.5	.0	.2
.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
1.5	3.2	26.3	51.0	13.1	.9	.7	1.0	.0	2.3

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	79	76	75	73	78.7	552
06009	91	84	82	79	76	74	72	78.9	934
12015	95	87	85	81	78	75	73	80.8	578
18021	89	85	83	80	77	76	74	79.9	996
TOT	95	85	83	79	76	75	72	79.5	3060

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.9	38.4	49.1	11.6	82	112
06009	.0	.0	.8	36.0	52.8	10.4	83	125
12015	.0	.8	6.5	56.1	33.3	3.3	78	123
18021	.0	.8	4.5	55.3	34.1	5.3	79	132
TOT	0	2	16	230	207	37	80	492

JUNE

PERIOD: (PRIMARY) 1907-1973
(OVER-ALL) 1854-1973

TABLE 17

APEA 0024 ST. PETER AND PAUL ROCKS
6N 29.4WPCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
7/8	.0	.0	.1	.1	2	.0	.3
6	.0	.0	.1	.3	3	.0	.4
5	.0	.0	.1	.3	3	.0	.4
4	.0	.1	1.2	.1	10	.1	1.3
3	.0	.4	1.3	.4	15	.0	2.2
2	.0	.7	4.0	.3	35	.0	5.1
1	.0	3.8	4.0	.1	55	.0	7.9
0	.6	10.4	7.6	.0	129	.6	18.0
-1	1.7	19.8	4.6	.0	181	.4	25.7
-2	1.2	12.6	3.8	.0	121	.4	17.0
-3	1.2	9.1	.6	.0	75	.3	10.5
-4	.7	3.9	.6	.0	36	.0	5.2
-5	.1	1.6	.6	.0	16	.0	2.3
-6	.0	.4	.0	.0	3	.0	.4
-7/-8	.3	.6	.0	.0	6	.0	.9
-9/-10	.4	.0	.0	.0	3	.0	.4
TOTAL	43	199	12	693	13	680	
PCT	6.2	63.3	28.7	1.7	100.0	1.9	98.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.2	.4	.0	.0	.0	.0	.6
1-2	.0	1.7	.0	.0	.0	.0	1.7	.0	1.0	.0	.0	.0	.0	1.0
3-4	.0	.0	.4	.0	.0	.0	.4	.0	.4	.1	.0	.0	.0	.5
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	1.7	.4	.0	.0	.0	2.1	.7	1.8	.2	.0	.0	.0	2.2

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.6	1.1	.0	.0	.0	.0	1.7	.8	2.0	.0	.0	.0	.0	2.8
1-2	.4	8.1	.8	.0	.0	.0	9.3	.4	16.4	4.8	.0	.0	.0	21.6
3-4	.0	6.3	2.6	.0	.0	.0	8.9	.0	9.2	6.8	.0	.0	.0	16.1
5-6	.0	1.0	3.0	.0	.0	.0	4.0	.0	2.2	2.6	.0	.0	.0	4.8
7	.0	.0	.8	.0	.0	.0	.8	.0	1.6	2.0	.0	.0	.0	3.6
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.0	16.6	7.2	.0	.0	.0	24.8	1.2	31.4	16.7	.0	.0	.0	49.3

PERIOD: (OVER-ALL) 1963-1973

JUNE

AREA 0024 ST. PETER AND PAUL ROCKS
08N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	4.6	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	1.7	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.8	9.4	4.4	.0	.0	.0	14.7	.0	.8	.4	.0	.0	.0	1.2	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	1.1	.0	.0	.0	1.4	.0	.6	.5	.0	.0	.0	1.1	96.8

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	5.1	4.3	.4	.0	.0	.0	9.8	
1-2	2.8	34.3	7.5	.0	.0	.0	44.5	
3-4	.0	18.5	13.0	.0	.0	.0	31.5	
5-6	.0	3.1	6.3	.0	.0	.0	9.4	
7	.0	1.6	2.8	.0	.0	.0	4.3	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.4	.0	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	7.9	61.8	30.3	.0	.0	.0	100.0	254

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.9	12.5	16.8	8.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	131	3
6-7	.3	1.5	6.1	10.7	5.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	83	5
8-9	.0	.6	2.4	4.0	2.4	.6	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	34	5
10-11	.0	.3	.3	.9	1.5	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	6
12-13	.0	.0	.9	.3	.0	.9	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8	6
>13	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	6
INDET	2.1	4.0	4.9	4.3	.6	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	36	3
TOTAL	11	62	103	95	39	14	4	0	0	0	0	0	0	0	0	0	0	0	0	328	4
PCT	3.4	18.9	31.4	29.0	11.9	4.3	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

JULY

PERIOD: (PRIMARY) 1911-1974
(OVER-ALL) 1854-1974AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG MEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	2.9	.0	.0	.0	.0	.0	97.1
E	.0	1.0	.0	.0	.0	.0	.0	1.0	.4	.0	.5	.0	.0	.0	98.1
SE	.1	2.0	.2	.0	.0	.0	.0	2.4	.9	.0	.9	.0	.2	.0	95.5
S	1.3	.4	.0	.0	.0	.0	.0	1.8	.0	.0	.0	.0	2.7	.0	99.5
SW	13.8	.0	.0	.0	.0	.0	.0	13.8	.0	.0	.0	.0	.0	.0	86.2
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
TOT PCT DBS:	.4	1.5	.1	.0	.0	.0	.0	2.0	.7	.0	.7	.0	.5	.0	96.1

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG MEA
00003	.0	2.7	.7	.0	.0	.0	.0	3.4	1.4	.0	.0	.0	1.4	.0	93.8
06009	.5	1.9	.0	.0	.0	.0	.0	2.4	.5	.0	.5	.0	.5	.0	96.1
12015	.5	.0	.0	.0	.0	.0	.0	.5	.5	.0	.5	.0	.0	.0	98.4
18021	.5	1.4	.0	.0	.0	.0	.0	1.9	.5	.0	1.4	.0	.5	.0	95.8
TOT PCT TOT DBS:	.4 754	1.5	.1	.0	.0	.0	.0	2.0	.7	.0	.7	.0	.5	.0	96.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.0	.1	.0	.0	.0	.0	.0	.1	6.3	.0	.0	.1	.0	.3	.0	.0	.1
NE	.0	.9	.4	.0	.0	.0	.0	1.3	8.9	1.1	2.0	1.4	1.3	.4	1.3	.9	1.2
E	.7	14.8	9.0	.1	.0	.0	.0	24.6	9.9	29.7	25.4	26.0	23.3	17.9	24.2	24.3	25.1
SE	1.1	28.9	28.8	1.1	.0	.0	.0	59.9	11.3	54.8	60.8	57.9	60.9	63.4	59.5	61.9	58.6
S	.3	6.6	5.6	.2	.0	.0	.0	12.7	10.8	13.5	10.2	13.7	12.9	16.7	13.6	11.2	12.5
SW	.*	.6	.5	.0	.0	.0	.0	1.1	10.3	.8	1.0	.8	.9	1.3	1.1	1.1	1.5
W	.0	.*	.1	.0	.0	.0	.0	.1	9.8	.0	.0	.0	.0	.0	.3	.1	.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3							.3	.0	.0	.6	.2	.3	.0	.0	.4	.6
TOT DBS	67	1438	1230	37	0	0	2772		10.6		155	345	477	375	172	375	339
TOT PCT	2.4	51.9	44.4	1.3	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					41+	TOTAL DBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	00 03					06 09	12 15	18 21		
N	*	*	.0	.0	.0	.0	.1	6.3	.1	.1	.1	.1	.1	
NE	.4	.8	*	.0	.0	.0	1.3	8.9	1.1	1.3	1.1	1.0	1.0	
E	5.5	17.3	1.8	*	.0	.0	24.6	9.9	26.7	24.8	22.2	24.6	24.6	
SE	7.2	43.5	9.0	.2	.0	.0	59.9	11.3	59.0	59.2	60.7	60.7	60.7	
S	1.9	9.2	1.6	*	.0	.0	12.7	10.8	11.3	13.4	14.6	11.7	11.7	
SW	*	.8	.1	.0	.0	.0	1.1	10.3	1.0	.9	1.1	1.3	1.3	
W	*	.1	.0	.0	.0	.0	.1	9.8	.0	.0	.2	.2	.2	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3						.3	.0	.4	.4	.0	.5	.5	
TOT DBS	431	1988	347	6	0	2772		10.8	500	852	547	873	873	
TOT PCT	15.5	71.7	12.5	.2	.0		100.0		100.0	100.0	100.0	100.0	100.0	

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)					48+	MEAN	PCT FREQ	TOTAL DBS
		1-3	4-10	11-21	22-33	34-47				
00003	.4	3.2	55.6	40.6	.8	.0	0	10.3	100.0	500
06009	.4	2.2	54.2	42.1	1.1	.0	0	10.6	100.0	852
12015	.0	1.3	46.1	50.8	1.8	.0	0	11.7	100.0	547
18021	.5	1.8	51.4	44.7	1.6	.0	0	10.6	100.0	873
TOT	9	58	1438	1230	37	0	0	10.8		2772
PCT	.3	2.1	51.9	44.4	1.3	.0	0	100.0		

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH $\geq 4/8$)
AND OCCURRENCE OF NH $\leq 5/8$ BY WIND DIRECTION

BY WIND DIRECTION						AND OCCURRENCE OF NH $\leq 5/8$ BY WIND DIRECTION													
WIND DIR	0-2	3-4	5-7	8 & 0850	TOTAL OBS	MEAN CLOUD COVER	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH $\leq 5/8$ ANY HGT	TOTAL OBS	
N	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		
NE	.2	.3	.1			3.3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.5	
E	12.0	8.2	3.3	.4		2.7	.0	.0	.0	.5	.7	.2	.4	.2	.0	.0	.0	21.9	
SE	24.9	22.5	10.4	2.4		3.1	.0	.0	1.2	2.6	2.0	.4	.4	.0	.2	.2	.2	53.4	
S	5.5	4.1	3.9	.8		3.5	.0	.0	.0	1.7	.5	.1	.0	.0	.0	.0	.0	12.0	
SW	.1	.0	.5	.3		5.5	.0	.0	.0	.1	.5	.1	.0	.0	.0	.0	.0	.2	
W	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.2			5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
TOT OBS	211	174	91	19	495	3.1	.0	.0	.0	9	25	16	5	3	0	1	436	499	
TOT PCT	42.6	35.2	18.4	3.8	100.0		.0	.0	.0	1.8	5.1	3.2	1.0	.6	0	.2	88.1	100.0	

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM)							
	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0
OR >6500	.2	.2	.2	.2	.2	.2	.2	.2
OR >1000	.8	.8	.8	.8	.8	.8	.8	.8
OR >3500	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
OR >2000	4.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0
OR >1000	9.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2
OR >600	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
OR >300	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
OR >150	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
OR > 0	10.8	12.0	12.0	12.0	12.0	12.0	12.0	12.0
TOTAL	54	60	60	60	60	60	60	60

TOTAL NUMBER OF OBS: 498 PCT FREQ NH 45/81 88.0

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	DBSCD	TOTAL CBS
8.3	20.5	25.1	24.9	9.5	4.2	2.7	2.3	2.5	.0	518

PERIOD: (PRIMARY) 1911-1974
(OVER-ALL) 1854-1974

JULY

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.5
	TOT %	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.5
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.5
	TOT %	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.5
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.0	.0	1.1	.2	.1	.0	.0	.0	.0	1.5	.5
	NO PCP	.0	.8	8.1	14.2	4.4	.1	.0	.0	.0	.0	27.4	.5
	TOT %	.0	.8	8.1	15.3	4.6	.2	.0	.0	.0	.0	28.9	.5
10+	PCP	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.5	.5
	NO PCP	.0	.4	17.3	40.9	9.9	.8	.1	.0	.0	.1	69.5	.5
	TOT %	.0	.4	17.6	41.1	10.0	.8	.1	.0	.0	.1	70.0	.5
TOT OBS													747
TOT PCT		.0	1.1	25.8	57.0	15.0	1.0	.1	.0	.0	.1	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1
	11-21	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.2	.0	.0	.0	.0	.0	.0	.2	.2
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	*	.2	.0	.0	.0	.0	.0	.2	.2
	11-21	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1
	22+	.0	.0	.0	*	.0	.0	.0	.0	.0	.0	.1	.1
	TOT %	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.4	.4
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.1	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	*	*	.0	.0	.0	.0	.1	.1
5<10	0-3	.0	.0	.1	.2	.0	.0	.0	.0	.0	.1	.4	.4
	4-10	.0	.1	2.3	3.8	.8	*	.1	.0	.0	.0	7.1	.5
	11-21	.0	.3	2.0	4.7	1.6	.1	.0	.0	.0	.0	8.7	.5
	22+	.0	.0	.0	.3	*	.0	.0	.0	.0	.0	.4	.5
	TOT %	.0	.3	4.4	9.0	2.5	.2	.1	.0	.0	.1	16.5	.5
10+	0-3	.0	.0	.7	1.0	.2	.0	.0	.0	.0	.2	2.0	.5
	4-10	.1	.7	13.0	26.2	5.3	.4	.0	.0	.0	.0	45.8	.5
	11-21	.0	.2	7.4	22.5	3.8	.5	*	.0	.0	.0	34.4	.5
	22+	.0	.0	.1	.5	*	.0	.0	.0	.0	.0	.7	.5
	TOT %	.1	1.0	21.2	50.2	9.3	.9	*	.0	.0	.2	82.8	.5
TOT OBS													1650
TOT PCT		.1	1.3	25.6	59.6	12.0	1.1	.1	.0	.0	.2	100.0	

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PERIOD: (PRIMARY) 1911-1974
(OVER-ALL) 1854-1974AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET) NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	2.8	6.5	3.7	.9	.0	.0	.0	14.0	86.0	107
06009	.0	.0	.0	2.3	4.5	4.5	1.5	.8	.0	.0	13.5	86.5	133
12015	.0	.0	.0	1.4	4.2	2.1	.0	.7	.0	.7	9.1	90.9	143
18021	.0	.0	.0	.7	5.2	2.2	1.5	.7	.0	.0	10.4	89.6	134
TOT	0	0	0	9	26	16	5	3	0	1	60	457	517
PCT	.0	.0	.0	1.7	5.0	3.1	1.0	.6	.0	.2	11.6	88.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.0	.6	.0	17.5	81.9	309
06009	.0	.0	.4	.0	18.2	81.4	494
12015	.0	.3	.0	.3	14.7	84.7	353
18021	.0	.6	.4	.0	16.0	83.0	501
TOT	0	4	6	1	276	1370	1657
PCT	.0	.2	.4	.1	16.7	82.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET) NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	3.0	11.9	85.1	101
06009	.0	.0	2.3	11.6	86.0	129
12015	.0	.0	1.4	8.0	90.6	138
18021	.0	.0	.8	10.0	89.2	130
TOT	0	0	9	51	438	498
PCT	.0	.0	1.8	10.2	88.0	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.2	.2	.0	.0	2	.4
80/84	.0	.0	.0	.2	3.2	13.5	4.1	.2	114	21.2
75/79	.0	.0	.0	.0	1.3	35.4	34.1	5.8	413	76.6
70/74	.0	.0	.0	.0	.0	.0	1.5	.4	10	1.9
TOTAL	0	0	0	1	29	265	214	34	539	100.0
PCT	.0	.0	.0	.2	4.6	49.2	39.7	6.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.1	.1	.0	.0	.0	.0	.0
.0	.1	4.6	12.0	4.0	.2	.0	.0	.0	.2
.0	.8	20.7	43.9	10.4	.7	.0	.0	.0	.0
.0	.0	.5	1.0	.4	*	.0	.0	.0	.0
.0	1.0	23.9	57.1	14.9	1.0	.0	.0	.0	.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	80	77	75	74	71	77.5	496
06009	84	82	80	78	75	74	72	77.7	850
12015	86	83	83	79	77	75	73	79.5	538
18021	88	84	82	79	76	75	73	78.8	863
TOT	88	84	82	78	76	74	71	78.4	2747

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	1.8	35.1	34.1	9.0	82	111
06009	.0	.0	2.1	38.2	32.1	7.6	81	144
12015	.0	.0	6.9	37.6	30.6	4.9	78	144
18021	.0	.7	6.9	60.7	26.9	4.8	78	143
TOT	0	1	25	265	218	35	60	944

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
11/13	.0	.0	.0	.1	1	.0	.1
7/8	.0	.3	.0	.0	2	.0	.3
6	.0	.0	.3	.0	2	.0	.3
5	.0	.0	.6	.1	5	.0	.7
4	.0	.0	1.5	.0	10	.1	1.3
3	.0	.9	1.2	.0	14	.0	2.1
2	.0	1.9	.4	.1	17	.0	2.5
1	.3	9.4	2.1	.0	80	.1	11.6
0	1.5	16.5	2.9	.0	142	.1	20.8
-1	3.4	18.7	1.2	.0	196	.3	23.0
-2	2.7	14.7	.6	.0	122	.0	18.0
-3	1.8	6.8	.4	.0	61	.0	9.0
-4	1.6	2.8	.1	.0	31	.0	4.6
-5	2.2	1.3	.0	.0	24	.0	3.5
-6	.4	.0	.0	.0	3	.0	.4
-7/-8	.4	.4	.0	.0	6	.0	.9
-9/-10	.0	.1	.0	.0	1	.0	.1
TOTAL	97	77			679	5	674
PCT	14.3	73.9	11.3	.4	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SFA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.6

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.6	.3	.0	.0	.0	.9	.3	2.6	.1	.0	.0	.0	3.2
1-2	.0	6.7	.9	.0	.0	.0	7.6	.7	13.9	3.9	.0	.0	.0	18.5
3-4	.0	2.2	7.1	.0	.0	.0	9.3	.1	8.2	15.6	.0	.0	.0	23.9
5-6	.0	1.1	3.7	.3	.0	.0	5.1	.0	1.1	8.7	.1	.0	.0	9.8
7	.0	.7	.0	.0	.0	.0	.7	.0	.0	3.9	.0	.0	.0	3.9
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	11.3	12.0	.3	.0	.0	23.6	1.3	29.8	32.5	.1	.0	.0	59.7

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.3	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	4.2	.3	.0	.0	.0	4.5	.0	.2	.0	.0	.0	.0	.0	.2
3-4	.3	2.6	4.3	.0	.0	.0	7.2	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	2.1	.0	.0	.0	2.4	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.8	.0	.0	.0	.8	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.4	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	7.2	7.9	.0	.0	.0	15.6	.0	.2	.0	.0	.0	.0	.0	.2

HGT	W							NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT		
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.6

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	1.1	3.2	.4	.0	.0	.0	4.7	
1-2	.7	25.6	5.1	.0	.0	.0	31.4	
3-4	.4	13.0	27.1	.0	.0	.0	40.4	
5-6	.0	2.5	14.4	.4	.0	.0	17.3	
7	.0	.7	4.7	.0	.0	.0	5.4	
8-9	.0	.0	.4	.0	.0	.0	.4	
10-11	.0	.0	.4	.0	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	2.2	45.1	52.3	.4	.0	.0	100.0	277

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.5	6.8	12.0	9.6	4.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	4
6-7	.0	.3	11.2	15.0	3.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	114	5
8-9	.0	.8	2.5	3.6	4.9	1.6	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	59	6
10-11	.0	.3	.8	1.1	1.1	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
12-13	.0	.0	.5	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
INDET	.5	3.8	6.8	1.9	2.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	3
TOTAL	4	44	124	115	60	14	4	1	0	0	0	0	0	0	0	0	0	0	0	366	4
PCT	1.1	12.0	33.9	31.4	16.4	3.8	1.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

AUGUST

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1855-1974AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WNO DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.0	.0	.0	.0	98.0
SE	.0	1.1	.0	.0	.0	.0	.0	1.1	.1	.2	.6	.0	.1	.2	97.7
S	.0	1.5	.9	.0	.0	.0	.0	2.4	.7	.0	1.7	.0	.4	.0	94.8
SW	21.1	.0	.0	.0	.0	.0	.0	21.1	.0	.0	.0	.0	.0	.0	78.9
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.1	1.0	.1	.0	.0	.0	.0	1.3	.1	.1	1.0	.0	.1	.1	97.2
TOT OBS:	707														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
00003	.0	1.4	.0	.0	.0	.0	.0	1.4	.0	.0	.7	.0	.0	.0	98.0
06009	.0	.6	.6	.0	.0	.0	.0	1.1	.6	.6	1.7	.0	.0	.6	95.5
12015	.6	1.1	.0	.0	.0	.0	.0	1.7	.0	.0	1.1	.0	.6	.0	96.7
18021	.0	1.0	.0	.0	.0	.0	.0	1.0	.0	.0	.5	.0	.0	.0	98.5
TOT PCT TOT OBS:	.1 707	1.0	.1	.0	.0	.0	.0	1.3	.1	.1	1.0	.0	.1	.1	97.2

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)						48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00					03	06	09	12	15	18	21
N	*	.0	.0	.0	.0	.0		*	2.0	.0	.0	.2	.0	.0	.0	.0	.0
NE	*	.1	.1	.0	.0	.0		.3	9.0	.3	.3	.3	.3	.0	.1	.2	.7
E	.2	8.4	5.8	.1	.0	.0		14.5	10.3	15.7	16.7	15.5	19.8	12.3	14.6	12.9	15.0
SE	.3	31.0	35.7	1.3	.0	.0		68.3	11.7	64.9	65.5	64.4	68.9	70.4	69.5	72.4	68.6
S	.1	7.6	8.1	.4	.0	.0		16.2	11.6	17.4	16.9	18.4	16.8	16.1	15.6	14.3	15.5
SW	.0	.2	.3	*	.0	.0		.5	12.5	.5	.6	1.2	.6	1.2	.3	.2	.1
W	.0	*	.0	.0	.0	.0		*	5.0	.7	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	*							*	.0	.7	.0	.0	.0	.0	.0	.0	.0
TOT OBS	19	1277	1946	49	0	0	2691		11.5	151	320	487	341	191	371	522	338
TOT PCT	.7	47.5	50.0	1.8	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	*	.0	.0	.0	.0		*	2.0	.0	.1	.0	.0
NE	.1	.2	*	.0	.0		.3	9.0	.3	.3	.1	.4
E	2.2	11.3	1.1	.0	.0		14.5	10.3	16.4	14.8	13.8	13.8
SE	5.9	52.5	9.7	.2	.0		68.3	11.7	65.3	66.2	69.8	70.9
S	1.8	11.8	2.6	*	.0		16.2	11.6	17.0	17.7	15.7	14.8
SW	*	.4	.1	.0	.0		.5	12.5	.5	.9	.6	.2
W	*	.0	.0	.0	.0		*	5.0	.2	.0	.0	.0
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0
CALM	*						*	.0	.2	.0	.0	.0
TOT OBS	271	2051	362	7	0	2691		11.5	471	798	562	860
TOT PCT	10.1	76.2	13.5	.3	.0		100.0		100.0	100.0	100.0	100.0

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PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1855-1974AREA 0024 ST. PETER AND PAUL ROCKS
.0N 29.5N

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.2	.6	57.5	40.3	1.3	.0	.0	10.6	100.0	471
06009	.0	1.1	49.6	47.7	1.5	.0	.0	11.3	100.0	798
12015	.0	.2	41.8	55.5	2.5	.0	.0	12.0	100.0	562
18021	.0	.6	43.6	53.8	2.0	.0	.0	11.7	100.0	860
TOT	1	18	1277	1346	49	0	0	11.5		2891
PCT	*	.7	47.5	50.0	1.8	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.2	.0		7.0
NE	.1	.1	.2	.0		3.8
E	7.0	3.6	1.9	.1		2.7
SE	28.6	29.1	11.9	2.1		3.0
S	6.7	6.9	4.1	.7		3.4
SW	.0	.3	.3	.2		3.4
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	208	176	91	15	490	3.1
TOT PCT	42.4	35.9	18.6	3.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT/NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <4/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.2	.4	.2	.0	.2	.0	.0	.2	11.6	
.1	.0	.2	1.3	3.3	1.7	.8	.5	.0	.3	59.3	
.1	.0	.0	.0	.7	.6	.2	.3	.0	.0	16.6	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.1	0	2	8	20	12	6	4	0	2	42.5	490
.2	.0	.4	1.6	4.1	2.4	1.2	.8	.0	.4	88.8	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.4	.4	.4	.4	.4	.4	.4	.4
= OR >5000	1.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
= OR >3500	2.0	2.4	2.4	2.4	2.4	2.4	2.4	2.4
= OR >2000	4.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
= OR >1000	8.2	9.0	9.0	9.0	9.0	9.0	9.0	9.0
= OR >600	9.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
= OR >300	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
= OR >150	10.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
= OR >0	10.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
TOTAL	50	55	55	55	55	55	55	55

TOTAL NUMBER OF OBS: 490

PCT FREQ NH <5/8: 88.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.1	20.9	27.0	20.7	13.8	5.0	3.4	1.1	1.9	.0	522

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1855-1974

AUGUST

AREA 0024 ST. PETER AND PAUL ROCKS
6N 29.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.3	.7	.3	.0	.0	.0	.0	.0	.0	1.3
	TOT %	.0	.0	.3	.7	.3	.0	.0	.0	.0	.0	.0	1.3
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1
5<10	PCP	.0	.0	.0	.4	.1	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.0	.1	4.0	16.1	2.2	.4	.0	.0	.0	.0	.0	22.8
	TOT %	.0	.1	4.0	16.5	2.3	.4	.0	.0	.0	.0	.0	23.3
10+	PCP	.0	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.1	.2	9.9	30.6	13.4	.2	.0	.0	.0	.0	.0	74.5
	TOT %	.1	.2	9.9	31.0	13.6	.2	.0	.0	.0	.0	.0	75.1
TOT OBS													707
TOT PCT		.1	.4	14.3	68.2	16.3	.7	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.5
	22+	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.1	.3	.1	.0	.0	.0	.0	.0	.0	.6
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1
	11-21	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.3
5<10	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	4-10	.0	.0	.0	.6	.6	.0	.0	.0	.0	.0	.0	4.8
	11-21	.0	.0	1.3	3.9	1.0	.1	.0	.0	.0	.0	.0	6.3
	22+	.0	.0	.0	.3	.1	.1	.0	.0	.0	.0	.0	.5
	TOT %	.0	.1	2.1	9.5	1.7	.2	.0	.0	.0	.0	.0	13.6
10+	0-3	.1	.1	.2	.3	.0	.0	.0	.0	.0	.0	.1	.6
	4-10	.0	.1	7.1	27.5	7.2	.1	.1	.0	.0	.0	.0	42.1
	11-21	.0	.0	4.5	30.4	6.6	.2	.0	.0	.0	.0	.0	41.6
	22+	.0	.0	.1	.7	.3	.0	.0	.0	.0	.0	.0	1.1
	TOT %	.1	.2	11.9	58.9	14.1	.2	.1	.0	.0	.0	.1	85.3
TOT OBS													1354
TOT PCT		.1	.3	14.1	68.9	16.0	.5	.1	.0	.0	.0	.1	100.0

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.9	.0	.0	.9	2.6	1.7	1.7	.0	.0	.0	7.8	92.2	116
06009	.0	.0	.0	2.6	5.3	1.8	1.8	.0	.0	.0	11.4	88.6	114
12015	.0	.0	.7	2.0	3.3	2.6	1.3	1.3	.0	.7	11.9	88.1	131
18021	.0	.0	.7	.7	4.4	2.9	.0	1.5	.0	.7	11.0	89.0	136
TOT	1	0	2	8	20	12	6	4	0	2	55	462	517
PCT	.2	.0	.4	1.5	3.9	2.3	1.2	.8	.0	.4	10.6	89.4	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.3	.0	.3	14.3	35.0	287
06009	.0	.7	.0	.2	15.0	84.1	421
12015	.0	.5	.3	.5	10.9	87.7	366
18021	.0	.6	.0	.2	14.0	85.2	480
TOT	0	9	1	5	211	1328	1554
PCT	.0	.6	.1	.3	13.6	85.5	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	1.0	1.0	1.9	6.7	91.3	104
06009	.0	.0	2.9	9.7	87.4	103
12015	.0	.7	3.4	9.4	87.2	149
18021	.0	.7	1.5	9.7	88.8	134
TOT	1	3	12	44	434	490
PCT	.2	.6	2.4	9.0	88.6	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.4	.0	.0	.0	2	.4
80/84	.0	.0	.0	.2	2.2	13.5	1.2	1.6	94	18.6
75/79	.0	.0	.0	.0	.8	38.6	35.6	4.4	401	79.4
70/74	.0	.0	.0	.0	.0	.0	.8	.8	8	1.6
TOTAL	0	0	0	1	17	263	190	34	505	100.0
PCT	.0	.0	.0	.2	3.4	52.1	37.6	6.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
80/84	.0	.0	2.1	11.6	4.7	.2	.0	.0	.0	.0
75/79	.2	.1	12.3	54.4	11.9	.4	.0	.0	.0	.0
70/74	.0	.2	.4	.8	.2	.0	.0	.0	.0	.0
TOTAL	.2	.3	14.8	67.2	16.8	.6	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	81	79	77	75	73	72	77.3	467
06009	85	81	80	77	75	74	72	77.3	791
12015	85	84	82	79	77	75	73	79.2	551
18021	86	85	82	78	76	75	73	78.6	843
TOT	88	84	81	78	75	74	72	78.1	2652

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.8	35.8	54.2	9.2	82	120
06009	.0	.0	.0	38.1	35.7	8.2	82	122
12015	.0	.7	5.7	72.1	16.4	5.0	77	140
18021	.0	.0	6.5	61.0	27.6	4.9	78	123
TOT	0	1	17	263	190	34	80	505

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
9/10	.0	.0	.0	.0	.2	1	.0	.2
7/8	.0	.0	.2	.0	.0	1	.0	.2
6	.0	.0	.0	.2	.0	1	.0	.2
5	.0	.0	.2	.8	.3	8	.0	1.3
4	.0	.0	.2	.2	.0	2	.0	.3
3	.0	.0	.8	1.8	.0	16	.0	2.6
2	.0	.2	3.3	1.1	.0	28	.0	4.6
1	.0	.5	10.1	1.6	.0	75	.0	12.2
0	.0	2.3	18.5	1.1	.0	135	.2	21.8
-1	.0	3.9	19.3	.8	.0	148	.2	23.9
-2	.0	5.0	12.7	.2	.0	110	.0	17.9
-3	.2	2.8	4.9	.2	.0	49	.0	8.0
-4	.0	1.3	2.4	.0	.0	23	.3	3.4
-5	.0	1.0	1.5	.0	.0	15	.0	2.4
-6	.0	.0	.2	.0	.0	1	.0	.2
-7/-8	.0	.0	.3	.0	.0	2	.0	.3
TOTAL	1	104	438	49	3	615	4	611
PCT	.2	16.9	74.5	8.0	.5	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.9	.0	.0	.0	.0	.9	.0	.3	.0	.0	.0	.0	.3
1-2	.0	3.2	.5	.0	.0	.0	3.7	.0	15.9	5.3	.0	.0	.0	21.2
3-4	.0	2.2	2.5	.0	.0	.0	4.7	.0	9.8	21.7	.0	.0	.0	31.6
5-6	.0	.3	.3	.0	.0	.0	.7	.0	2.8	9.7	.1	.0	.0	12.5
7	.0	.0	1.2	.3	.0	.0	1.5	.0	.0	3.1	.2	.0	.0	3.3
8-9	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	6.6	4.8	.3	.0	.0	11.7	.0	28.8	39.9	.3	.0	.0	69.0

PERIOD: (OVER-ALL) 1963-1974

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AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
1-2	.0	3.3	1.7	.0	.0	.0		5.0	.0	.0	.0	.0	.0	.0		.0
3-4	.0	2.8	3.6	.0	.0	.0		6.5	.0	.0	.1	.0	.0	.0		.1
5-6	.0	.7	4.7	.3	.0	.0		5.7	.0	.0	.1	.0	.0	.0		.1
7	.0	.0	.5	.6	.0	.0		1.1	.0	.0	.0	.0	.0	.0		.0
8-9	.0	.0	.7	.0	.0	.0		.7	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	6.8	11.3	.9	.0	.0		19.0	.0	.0	.2	.0	.0	.0		.2

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	1.4	.0	.0	.0	.0	1.4	
1-2	.0	22.4	7.6	.0	.0	.0	30.0	
3-4	.0	14.8	27.9	.0	.0	.0	42.8	
5-6	.0	3.8	14.8	.3	.0	.0	19.0	
7	.0	.0	4.8	1.0	.0	.0	5.9	
8-9	.0	.0	1.0	.0	.0	.0	1.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	42.4	56.2	1.4	.0	.0	100.0	290

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.0	7.7	14.4	8.2	2.7	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	142	4
6-7	.0	.2	8.2	13.4	6.2	1.5	.5	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	124	5
8-9	.0	.5	1.0	7.7	4.0	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	60	6
10-11	.0	.0	.0	1.5	.7	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	11	6
12-13	.0	.0	.5	.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6	5
>13	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	10
INDET	.0	2.5	6.0	3.0	2.7	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	58	4
TOTAL	4	44	121	137	69	18	6	1	0	2	0	0	0	0	0	0	0	0	0	402	5
PCT	1.0	10.9	30.1	34.1	17.2	4.5	1.5	.2	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	18.2	.0	.0	.0	.0	.0	.0	18.2	.0	.0	.0	.0	.0	.0	81.8
E	.4	2.2	.0	.0	.0	.0	.0	2.7	.0	.0	.4	.0	.0	.0	96.9
SE	.4	1.8	.2	.0	.0	.0	.0	2.3	1.3	.0	1.2	.0	.0	.0	95.1
S	.0	.6	.0	.0	.0	.0	.0	.6	.0	.0	.6	.0	.0	.0	98.8
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	33.3	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
TOT PCT	.4	1.6	.2	.0	.0	.0	.0	2.2	.9	.0	1.0	.0	.0	.0	96.0
TOT OBS:	816														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
0000Z	.0	1.1	.0	.0	.0	.0	.0	1.1	.6	.0	1.1	.0	.0	.0	97.1
0600Z	1.3	2.2	.4	.0	.0	.0	.0	3.9	.9	.0	1.3	.0	.0	.0	93.9
1200Z	.0	1.0	.5	.0	.0	.0	.0	1.5	1.5	.0	.0	.0	.0	.0	97.1
1800Z	.0	1.9	.0	.0	.0	.0	.0	1.9	.5	.0	1.4	.0	.0	.0	96.3
TOT PCT	.4	1.6	.2	.0	.0	.0	.0	2.2	.9	.0	1.0	.0	.0	.0	96.0
TOT OBS:	821														

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.1	.1	.1	.0	.0	.0		.2	7.5	.6	.0	.4	.5	.0	.1	.1	.1	.1
E	.1	7.3	4.7	.3	.0	.0		12.4	10.6	15.3	15.2	14.1	11.1	10.2	11.4	10.6	12.1	12.1
SE	.7	29.9	38.4	.7	.0	.0		67.8	11.7	63.7	67.6	63.5	67.0	69.0	70.5	71.4	68.0	68.0
S	.3	9.5	8.6	.3	.0	.0		18.8	11.0	19.1	18.0	21.2	20.5	20.4	17.3	17.2	19.1	19.1
SW	.0	.4	.2	.1	.0	.0		.6	10.5	.1	.6	.7	.9	.4	.7	.6	.7	.7
W	.0	.0	.0	.0	.0	.0		.0	9.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.2							.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT OBS	37	1290	1363	36	0	0	2726		11.4		170	335	486	324	189	348	504	370
TOT PCT	1.4	47.3	50.0	1.3	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
NE	.1	.1	.0	.0	.0		.2	7.5	.2	.4	.1	.1	
E	2.1	9.0	1.4	.0	.0		12.4	10.6	15.2	12.9	10.9	11.2	
SE	6.9	49.8	11.0	.1	.0		67.8	11.7	66.3	64.9	70.0	70.0	
S	2.2	14.6	1.8	.1	.0		18.8	11.0	17.0	20.9	18.4	18.0	
SW	.2	.4	*	*	.0		.6	10.5	.4	.8	.6	.7	
W	.0	*	.0	.0	.0		*	9.0	.0	.0	.0	.1	
NW	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	.2						.2	.0	.8	.1	.0	.0	
TOT OBS	320	2014	388	4	0	2726		11.4	505	810	537	874	
TOT PCT	11.7	73.9	14.2	.1	.0		100.0		100.0	100.0	100.0	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.8	1.2	51.5	45.0	1.6	.0	.0	10.9	100.0	505
06009	.1	1.2	51.4	46.0	1.2	.0	.0	11.1	100.0	810
12015	.0	.9	40.8	56.8	1.5	.0	.0	12.0	100.0	537
18021	.0	1.3	45.2	52.4	1.1	.0	.0	11.5	100.0	874
TOT	.9	3.2	1290	1363	36	0	0	11.4		2728
PCT	.2	1.2	47.3	50.0	1.3	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.0	.0	.0	.0		.0
E	6.5	3.3	2.8	.4		2.9
SE	29.7	22.0	12.4	2.2		3.1
S	6.9	7.4	4.8	.8		3.5
SW	.1	.3	.1	.0		4.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.2		8.0
TOT OBS	254	193	118	21	588	3.1
TOT PCT	43.2	33.2	20.1	3.6	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

000	150	300	600	1000	2000	3500	5000	6500	8000+	NH <5/8 ANY HGT	TOTAL OBS
149	299	599	999	1999	3499	4999	6499	7999			
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.6	1.1	.7	.0	.0	.2	.0	10.5
.0	.0	.2	1.4	4.3	1.4	.3	.2	.3	.0	.0	58.1
.0	.0	.0	.1	2.1	.6	.2	.2	.0	.0	.0	18.6
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	1	14	45	16	3	2	3	0	.0	504
.0	.0	.2	2.4	7.7	2.7	.5	.3	.5	.0	85.7	588
											100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.5	.5	.5	.5	.5	.5	.5	.5
>5000	.7	.8	.8	.8	.8	.8	.8	.8
>3500	1.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
>2000	3.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
>1000	10.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
>600	12.7	14.1	14.1	14.1	14.1	14.1	14.1	14.1
>300	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
>150	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
>0	12.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
TOTAL	76	84	84	84	84	84	84	84

TOTAL NUMBER OF OBS: 590

PCT FREQ NH <5/8: 85.8

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
6.1	21.5	26.6	18.5	12.9	5.4	3.5	3.5	2.1	.0	606

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.1	.8	.1	.0	.0	.0	.0	.0	.0	1.0
	TOT %	.0	.0	.1	.8	.1	.0	.0	.0	.0	.0	.0	1.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5<10	PCP	.0	.1	.4	1.2	.1	.0	.0	.0	.0	.1	1.8	.0
	NO PCP	.0	.1	3.7	13.8	4.7	.2	.0	.0	.0	.0	22.4	.0
	TOT %	.0	.1	4.1	15.0	4.8	.2	.0	.0	.0	.1	24.3	.0
10+	PCP	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.4	.0
	NO PCP	.0	.2	9.7	49.2	14.7	.4	.0	.0	.0	.2	74.4	.0
	TOT %	.0	.2	9.7	49.5	14.7	.4	.0	.0	.0	.2	74.8	.0
TOT OBS													816
TOT PCT		.0	.3	13.8	65.3	19.6	.6	.0	.0	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.2	.0
	11-21	.0	.0	*	.2	*	.0	.0	.0	.0	.0	.3	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	*	.4	.1	.0	.0	.0	.0	.0	.5	.0
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	.0
	11-21	.0	.0	.1	.1	*	.0	.0	.0	.0	.0	.2	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.1	.1	*	.0	.0	.0	.0	.0	.3	.0
5<10	0-3	.0	*	*	.1	.1	.0	.0	.0	.0	.1	.2	.0
	4-10	.0	*	.8	3.6	1.8	.1	.0	.0	.0	.0	6.4	.0
	11-21	.0	.0	1.2	5.7	1.2	.0	.0	.0	.0	.0	8.1	.0
	22+	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	.0
	TOT %	.0	.1	2.2	9.5	3.0	.1	.0	.0	.0	.1	15.1	.0
10+	0-3	.0	.0	*	.3	.2	.0	.0	.0	.0	.1	.7	.0
	4-10	.0	*	6.0	25.6	8.4	.4	.0	.0	.0	.0	40.4	.0
	11-21	.0	.1	3.8	31.0	7.3	.2	.0	.0	.0	.0	42.4	.0
	22+	.0	.0	.1	.2	.3	.0	.0	.0	.0	.0	.6	.0
	TOT %	.0	.1	9.9	57.2	16.2	.6	.0	.0	.0	.1	84.2	.0
TOT OBS													1660
TOT PCT		.0	.2	12.2	67.3	19.4	.7	.0	.0	.0	.2	100.0	

SEPTEMBER

PERIOD: (PRIMARY) 1912-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOUR (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.7	2.9	6.6	3.6	.7	.0	.7	.0	15.3	84.7	137
06009	.0	.0	.0	3.9	9.8	3.3	.7	.7	.7	.0	19.0	81.0	153
12015	.0	.0	.0	1.2	7.1	2.4	.0	.0	.6	.0	11.2	88.8	169
18021	.0	.0	.0	1.4	6.3	1.4	.7	.7	.0	.0	10.5	89.5	143
TOT	0	0	1	14	45	16	3	2	3	0	84	518	602
PCT	.0	.0	.2	2.3	7.5	2.7	.5	.3	.5	.0	14.0	86.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOUR (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.0	.6	.0	.6	14.9	83.9	329
06009	.0	.6	.0	.2	18.3	80.9	492
12015	.0	.0	.0	.0	10.5	89.5	361
18021	.0	.8	.0	.2	15.7	83.2	483
TOT	0	9	0	4	253	1399	1665
PCT	.0	.5	.0	.2	15.2	84.0	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HOUR (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.7	3.7	11.8	84.6	136
06009	.0	.0	4.0	15.4	80.5	149
12015	.0	.0	1.2	10.2	88.6	166
18021	.0	.0	1.4	9.4	89.2	139
TOT	0	1	15	69	506	590
PCT	.0	.2	2.5	11.7	85.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	.2	.2	.0	.0	2	.4
80/84	.0	.0	.0	.0	1.9	15.3	2.5	.6	105	20.3
75/79	.0	.0	.0	.0	.8	36.1	34.7	6.4	404	78.0
70/74	.0	.0	.0	.0	.0	.2	.8	.4	7	1.4
TOTAL	0	0	0	0	15	268	197	38	518	100.0
PCT	.0	.0	.0	.0	2.9	51.7	38.0	7.3		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	.0	.1	.3	.0	.0	.0	.0	.0	.0
.0	.0	1.3	14.1	4.5	.4	.0	.0	.0	.0
.0	.2	12.2	45.6	19.5	.3	.0	.0	.0	.2
.0	*	.3	.6	.2	.0	.0	.0	.0	.2
.0	.2	13.9	60.6	24.2	.7	.0	.0	.0	.4

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	82	81	79	77	75	74	70	77.4	501
06009	85	82	80	77	75	74	69	77.6	797
12015	88	85	83	79	77	76	74	79.6	521
18021	89	86	82	78	76	75	70	78.9	854
TOT	89	84	82	78	76	74	69	78.4	2673

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOUR (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	35.7	56.3	7.9	82	126
06009	.0	.0	2.3	40.2	47.0	10.6	82	132
12015	.0	.0	5.2	71.1	19.3	4.4	77	135
18021	.0	.0	4.7	58.3	30.7	6.3	79	127
TOT	0	0	16	268	198	38	80	520

SEPTEMBER

PERIOD: (PRIMARY) 1913-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	TOT	N FOG	NO FOG
7/8	.0	.0	.1	.0	1	.0	.1
5	.0	.0	.1	.1	2	.0	.3
4	.0	.4	1.1	.0	11	.0	1.5
3	.0	.7	1.2	.1	19	.0	2.0
2	.1	2.6	1.2	.0	29	.0	3.9
1	.3	7.7	2.3	.0	76	.1	10.2
0	3.4	19.2	1.5	.0	177	.1	23.9
-1	3.7	25.7	.4	.0	219	.8	28.9
-2	2.0	11.4	.1	.0	100	.0	13.6
-3	1.4	6.1	.0	.0	55	.0	7.5
-4	1.4	2.6	.1	.0	30	.0	4.1
-5	.8	.7	.0	.0	11	.0	1.5
-6	.5	.3	.0	.0	6	.0	.8
-7/-8	.3	.3	.0	.0	4	.0	.5
TOTAL	102	571	61	2	736	8	728
PCT	13.9	77.6	8.3	.3	100.0	1.1	98.9

PERIOD: (OVER-ALL) 1963-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.0	.0	.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.5	.0	.0	.0	.0	.5	.0	1.0	.0	.0	.0	.0	1.0
1-2	.2	3.2	.3	.0	.0	.0	3.7	.1	13.3	4.1	.0	.0	.0	17.5
3-4	.0	3.0	1.9	.0	.0	.0	4.8	.0	9.9	18.7	.0	.0	.0	28.6
5-6	.0	.5	3.2	.0	.0	.0	3.7	.0	.6	17.5	.0	.0	.0	18.1
7	.0	.0	.9	.0	.0	.0	.9	.0	.0	3.2	.0	.0	.0	3.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	7.2	6.2	.0	.0	.0	13.6	.1	24.9	43.6	.0	.0	.0	68.6

PERIOD: (OVER-ALL) 1963-1974

SEPTEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.5W

TABLE 16 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	
<1	.0	.2	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.1	
1-2	.3	3.7	1.3	.0	.0	.0	5.3	.0	.1	.0	.0	.0	.0	.1	
3-4	.0	2.4	3.9	.0	.0	.0	6.3	.0	.1	.0	.0	.0	.0	.1	
5-6	.0	1.0	2.4	.0	.0	.0	3.4	.0	.0	.1	.0	.0	.0	.1	
7	.0	.0	1.3	.0	.0	.0	1.3	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.3	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	7.5	9.1	.0	.0	.0	16.9	.0	.3	.1	.0	.0	.0	.3	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.7

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.3	1.8	.0	.0	.0	.0	2.1	
1-2	.5	20.4	5.7	.0	.0	.0	26.5	
3-4	.0	15.5	24.7	.0	.0	.0	40.2	
5-6	.0	2.1	23.2	.0	.0	.0	25.3	
7	.0	.0	5.4	.0	.0	.0	5.4	
8-9	.0	.0	.3	.0	.0	.0	.3	
10-11	.0	.3	.0	.0	.0	.0	.3	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.8	39.9	59.3	.0	.0	.0	100.0	388

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.3	7.6	20.6	16.8	2.5	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	234	4
6-7	.0	.4	7.4	10.5	5.5	2.7	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	129	5
8-9	.0	.4	1.7	4.0	2.3	1.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	48	6
10-11	.0	.0	.4	.8	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	6
12-13	.0	.0	.0	.2	.4	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5	7
>13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	
INDEX	.2	3.2	3.6	2.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	50	4
TOTAL	.7	95	160	167	55	24	6	1	0	0	0	0	0	0	0	0	0	0	0	475	4
PCT	1.5	11.6	33.7	35.2	11.6	5.1	1.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1911-1973
(OVER-ALL) 1854-1973

OCTOBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FOG WD PCPN	FOG PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	.9	.0	.0	.0	.0	.0	.9	2.0	.6	.0	.0	.0	.0	96.6
SE	1.0	2.6	.2	.0	.0	.0	.0	3.7	3.0	.4	.9	.0	.0	.0	92.0
S	.9	2.6	.0	.0	.0	.0	.0	3.5	.7	.0	.4	.0	.0	.0	95.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.7	2.2	.1	.0	.0	.0	.0	3.0	2.4	.4	.6	.0	.0	.0	93.6
TOT OBS:	823														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE								OTHER WEATHER PHENOMENA						
	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	.0	2.1	.0	.0	.0	.0	.0	2.1	2.6	1.0	.0	.0	.0	.0	94.3
0600	.9	.9	.5	.0	.0	.0	.0	2.3	3.6	.5	1.4	.0	.0	.0	92.3
1200	.6	2.8	.0	.0	.0	.0	.0	3.3	1.1	.0	.0	.0	.0	.0	95.6
1800	1.3	3.1	.0	.0	.0	.0	.0	4.4	2.2	.0	.9	.0	.0	.0	92.6
TOT PCT TOT OBS:	.7 823	2.2	.1	.0	.0	.0	.0	3.0	2.4	.4	.6	.0	.0	.0	93.6

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+					00	03	06	09	12	15	18	21
N	.0	.0	.0	.0	.0	.0		.1	5.5		.0	.1	.2	.0	.3	.0	.0	.0
NE	.0	.5	.1	.0	.0	.0		.6	7.5		1.2	.4	.7	.2	1.4	.3	.8	.3
E	.2	9.5	4.9	.2	.0	.0		14.7	10.0		14.4	15.2	15.6	12.9	19.3	12.6	13.6	15.3
SE	.6	32.2	32.8	.7	.0	.0		66.2	11.3		64.6	64.9	63.7	66.1	59.2	68.6	67.5	67.7
S	.1	9.1	8.3	.3	.0	.0		17.8	11.0		14.8	18.6	16.8	19.9	19.8	18.1	18.0	16.2
SW	.0	.3	.1	.0	.0	.0		.4	9.2		.9	.5	.7	.8	.0	.3	.1	.4
W	.0	.0	.0	.0	.0	.0		.0	5.0		.0	.0	.0	.2	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0		.0	5.0		.0	.0	.0	.0	.0	.0	.0	.3
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1							.1	.0		.0	.3	.4	.0	.0	.0	.0	.0
TOT OBS	33	1601	1430	35	0	0	3099		11.0		187	380	338	409	174	433	582	396
TOT PCT	1.1	51.7	48.1	1.1	.0	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	03	12	18
N	.0	.0	.0	.0	.0	.0	.1	5.5	.1	.1	.1	.0
NE	.3	.3	.0	.0	.0	.0	.6	7.5	.7	.4	.6	.6
E	3.2	10.2	1.2	.0	.0	.0	14.7	10.0	16.3	14.4	14.3	14.3
SE	8.5	48.3	9.4	.1	.0	.0	66.2	11.3	64.8	65.9	65.9	67.6
S	2.8	12.9	2.2	.0	.0	.0	17.8	11.0	17.4	18.2	18.6	17.3
SW	.1	.3	.0	.0	.0	.0	.4	9.2	.7	.7	.2	.2
W	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.1	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	5.0	.0	.0	.0	.1
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.1					.0	.1	.0	.2	.2	.0	.0
TOT OBS	465	2233	397	4	0	3099		11.0	567	947	607	978
TOT PCT	15.0	72.1	12.8	.1	.0		100.0		100.0	100.0	100.0	100.0

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	.2	1.6	55.6	41.3	1.4	.0	.0	10.7	100.0	367
06009	.2	1.2	55.3	42.6	.7	.0	.0	10.6	100.0	947
12015	.0	.7	47.0	51.4	1.0	.0	.0	11.5	100.0	607
18021	.0	.6	48.8	49.2	1.4	.0	.0	11.2	100.0	978
TOT	3	30	1601	1430	35	0	0	11.0		3099
PCT	.1	1.0	51.7	46.1	1.1	.0	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.6	.3	.4	.0		3.0
E	9.2	7.2	4.1	.9		3.2
SE	20.0	22.4	15.8	4.8		3.7
S	4.7	4.6	3.5	1.1		3.7
SW	.0	.0	.3	.0		6.2
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	199	200	140	40	579	3.6
TOT PCT	34.4	34.5	24.2	6.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	1.1	
E	.0	.0	.0	.0	1.4	.8	.5	.1	.0	.2	18.4	
SE	.0	.0	.2	1.9	4.7	2.8	1.3	.1	.0	1.3	50.7	
S	.0	.0	.0	.2	1.3	.3	.1	.2	.0	.1	11.7	
SW	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT OBS	0	0	1	12	44	24	11	2	0	9	476	579
TOT PCT	.0	.0	.2	2.1	7.6	4.1	1.9	.3	.0	1.6	82.2	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NH)

CEILING (FEET)	VSBY (NH)				VSBY (NH)				VSBY (NH)			
	OR >10	OR >5	OR >2	OR >1	OR >1/2	OR >1/4	OR >50YD	OR >0	OR >10	OR >5	OR >2	OR >1
OR >6500	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
OR >5000	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
OR >3500	3.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
OR >2000	7.3	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
OR >1000	14.0	15.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6
OR >600	15.4	17.3	17.5	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
OR >300	15.6	17.5	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
OR >150	15.6	17.5	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
OR >0	15.6	17.5	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9
TOTAL	90	101	102	103	103	103	103	103	103	103	103	103

TOTAL NUMBER OF OBS: 577

PCT FREQ NH <5/8: 82.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	5.0	19.8	22.8	21.9	19.1	6.0	3.7	3.5	4.2	.0	597

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	TOT %	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
1<2	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1
2<5	PCP	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1
	NO PCP	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.2
	TOT %	.0	.0	.0	.2	.1	.1	.0	.0	.0	.0	.0	.4
5<10	PCP	.0	.0	.1	1.7	.4	.0	.0	.0	.0	.0	.0	2.2
	NO PCP	.0	.2	4.9	16.2	3.3	.1	.0	.0	.0	.0	.0	24.7
	TOT %	.0	.2	5.0	17.9	3.7	.1	.0	.0	.0	.0	.0	26.9
10+	PCP	.0	.0	.1	.5	.0	.0	.0	.0	.0	.0	.0	.6
	NO PCP	.0	.8	16.0	45.0	10.0	.2	.0	.0	.0	.0	.0	71.9
	TOT %	.0	.8	16.2	45.4	10.0	.2	.0	.0	.0	.0	.0	72.5
TOT OBS													823
TOT PCT		.0	1.0	21.1	63.7	13.9	.3	.0	.0	.0	.0	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.1	.1
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.1	.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.1	*	.0	.0	.0	.0	.0	.1	.1
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.1	*	.0	.0	.0	.0	.0	.1	.1
2<5	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	.1
	4-10	.0	.0	.0	.1	*	*	.1	.0	.0	.0	.2	.2
	11-21	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.2	.2
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.1	.2	.1	*	.1	.0	.0	.0	.5	.5
5<10	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.1
	4-10	*	.2	1.9	4.8	1.0	.0	.0	.1	.0	.0	8.0	8.0
	11-21	.0	.0	.9	5.9	1.3	*	.0	.0	.0	.0	8.1	8.1
	22+	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2	.2
	TOT %	*	.2	2.8	10.8	2.4	*	.0	.1	.0	.1	16.5	16.5
10+	0-3	.1	.0	.2	.4	.1	*	.0	.0	.0	.1	.8	.8
	4-10	*	.4	8.3	27.1	7.8	.4	.0	.0	.0	.0	44.1	44.1
	11-21	.0	.1	4.6	26.8	6.2	.1	.0	.0	.0	.0	37.7	37.7
	22+	.0	.0	*	.2	*	.0	.0	.0	.0	.0	.3	.3
	TOT %	.1	.5	13.2	54.5	14.1	.5	.0	.0	.0	.1	82.9	82.9
TOT OBS													1695
TOT PCT		.1	.6	16.1	63.7	16.7	.5	.1	.1	.0	.1	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HRUR (GMT)	000 149	150 299	300 399	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.0	2.0	6.7	5.3	2.7	.0	.0	3.3	20.0	80.0	150
06009	.0	.0	.7	2.1	10.4	3.5	2.1	.0	.0	1.4	20.1	79.9	144
12015	.0	.0	.0	2.1	6.2	2.1	.7	.7	.0	.0	11.6	88.4	146
18021	.0	.0	.0	1.9	6.4	5.1	1.9	.6	.0	1.3	17.3	82.7	156
TOT	0	0	1	12	44	24	11	2	9	103	493	596	
PCT	.0	.0	.2	2.0	7.4	4.0	1.8	.3	.0	1.5	17.3	82.7	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NH) BY HOUR

HRUR (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.0	.0	.9	16.7	82.4	336
06009	.0	.2	.0	.4	18.2	81.2	495
12015	.0	.0	.0	.6	12.1	87.3	363
18021	.0	.0	.4	.2	17.8	81.6	501
TOT	0	1	2	8	279	1405	1695
PCT	.0	.1	.1	.5	16.5	82.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NH) AND/OR
CEILING HGT (FEET, NH >4/8) BY HOUR

HRUR (GMT)	<150 <50YD	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 5+	TOTAL OBS
00003	.0	.0	3.4	17.9	78.6	145
06009	.0	.7	2.9	18.1	79.0	138
12015	.0	.0	2.8	9.7	87.5	144
18021	.0	.0	2.0	16.0	82.0	150
TOT	0	1	16	89	472	577
PCT	.0	.2	2.8	15.4	81.8	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.2	.2	.2	.0	.0	3	.6
80/84	.0	.0	.0	.0	2.2	21.3	6.7	2.0	174	32.2
75/79	.0	.0	.0	.0	.0	25.6	35.9	5.6	362	67.0
70/74	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	0	0	1	13	254	230	42	540	100.0
PCT	.0	.0	.0	.2	2.4	47.0	42.6	7.8		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.1	.1	.3	.0	.0	.0	.0	.0
80/84	.0	.3	5.0	20.5	6.3	.1	.0	.0	.0	.0
75/79	.0	.6	13.6	43.1	9.4	.3	.0	.0	.0	.0
70/74	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0
TOTAL	.0	.8	18.8	64.0	16.0	.4	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HRUR (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	84	81	80	78	76	75	72	78.1	561
06009	85	82	81	78	76	75	72	78.2	937
12015	88	86	84	80	78	77	74	80.4	591
18021	89	85	83	79	77	76	74	79.6	958
TOT	89	85	82	79	76	75	72	79.0	3047

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HRUR (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	.2	.2	.2	.0	.0	82	130
06009	.0	.0	.7	.3	.4	.3	.0	.0	83	137
12015	.0	.7	3.7	59.3	28.9	7.4	.0	.0	79	125
18021	.0	.0	5.1	55.1	33.3	6.5	.0	.0	79	128
TOT	0	1	13	254	230	42	80	540		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITH-OUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	69 72	73 76	77 80	81 84	85 88	TOT	W FOG	NO FOG
11/13	.0	.0	.0	.0	.1	1	.0	.1
9/10	.0	.0	.0	.0	.1	1	.0	.1
7/8	.0	.0	.0	.1	.3	3	.0	.4
5	.0	.0	.1	.3	.1	4	.0	.5
4	.0	.0	.1	1.5	.3	14	.0	1.9
3	.0	.0	.8	1.9	.0	20	.0	2.7
2	.0	.0	1.6	3.0	.1	35	.0	4.7
1	.0	.1	8.7	3.0	.0	88	.0	11.8
0	.1	.3	20.4	2.7	.0	175	.4	23.1
-1	.0	1.1	25.2	2.0	.0	211	.1	28.2
-2	.0	.8	11.5	.7	.0	97	.1	12.9
-3	.0	.5	5.6	.0	.0	46	.0	6.2
-4	.0	.5	2.8	.0	.0	25	.0	3.4
-5	.0	.3	2.0	.0	.0	17	.0	2.3
-6	.0	.1	.0	.0	.0	1	.0	.1
-7/-8	.0	.1	.8	.0	.0	7	.0	.9
TOTAL	1	29	995	112	8	745	5	740
PCT	.1	3.9	79.9	15.0	1.1	100.0	.7	99.3

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.3
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.4
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.3
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.7	.2	.0	.0	.0	.9

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.7	.0	.0	.0	.0	.7	.0	.1	.1	.0	.0	.0	.1
1-2	.2	6.5	1.7	.0	.0	.0	8.3	.1	10.6	7.5	.0	.0	.0	18.2
3-4	.0	3.1	4.4	.2	.0	.0	9.7	.0	10.3	19.9	.3	.0	.0	30.5
5-6	.0	.5	5.4	.0	.0	.0	5.0	.0	.6	11.1	.0	.0	.0	11.7
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4	.0	.0	.0	2.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.2	12.8	11.5	.2	.0	.0	24.7	.1	21.6	41.0	.3	.0	.0	63.0

PERIOD: (OVER-ALL) 1963-1973

OCTOBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.0	.5	.2	.0	.0	.0		.7	.0	.0	.0	.0	.0	.0		.0
1-2	.0	2.7	1.5	.0	.0	.0		4.2	.0	.0	.0	.0	.0	.0		.0
3-4	.0	.9	2.7	.0	.0	.0		3.6	.0	.0	.0	.0	.0	.0		.0
5-6	.0	.7	1.7	.0	.0	.0		2.5	.0	.0	.0	.0	.0	.0		.0
7	.0	.0	.2	.0	.0	.0		.2	.0	.0	.1	.0	.0	.0		.1
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.0	4.9	6.4	.0	.0	.0		11.3	.0	.0	.1	.0	.0	.0		.1

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
1-2	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
3-4	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
5-6	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	1.6	.3	.0	.0	.0	1.9	
1-2	.3	20.2	10.8	.0	.0	.0	31.2	
3-4	.0	16.4	27.2	.5	.0	.0	44.1	
5-6	.0	1.9	18.3	.0	.0	.0	20.2	
7	.0	.0	2.7	.0	.0	.0	2.7	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.3	40.1	59.1	.5	.0	.0	100.0	372

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	.2	11.1	24.1	16.0	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	251	4
6-7	.0	.2	6.8	10.4	5.1	.2	.4	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	110	5
8-9	.0	.0	1.3	3.6	2.8	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	42	6
10-11	.0	.4	.2	1.3	.6	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	5
12-13	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>13	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2	8
INDET	.6	3.4	4.1	1.3	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	49	3
TOTAL	4	71	171	154	55	7	6	0	1	0	0	0	0	0	0	0	0	0	0	469	4
PCT	.9	15.1	36.5	32.8	11.7	1.5	1.3	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973AREA 0024 ST. PETER AND PAUL ROCKS
6N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

WIND DIR	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST BLWG SNOW	NO SIG WEA
N	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
E	.0	4.1	.0	.0	.0	.0	.0	4.1	1.6	.0	5.6	.0	.0	.0	88.7
SE	.7	4.6	.6	.0	.0	.0	.0	5.9	2.1	.7	1.7	.0	.0	.0	89.8
S	.0	1.6	.0	.0	.0	.0	.0	1.6	3.5	.0	.0	.0	.0	.0	94.9
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.5	4.2	.4	.0	.0	.0	.0	5.1	2.1	.5	2.3	.0	.0	.0	90.1
TOT OBS:	769														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THOR LTNG	FDG WD PCPN	FDG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	.6	5.1	1.1	.0	.0	.0	.0	6.9	1.7	1.1	1.7	.0	.0	.0	89.1
06009	1.0	4.5	.0	.0	.0	.0	.0	5.6	3.0	.0	3.0	.0	.0	.0	88.4
12015	.6	2.3	.6	.0	.0	.0	.0	3.4	.6	.0	2.3	.0	.0	.0	93.8
18021	.0	5.2	.4	.0	.0	.0	.0	5.6	2.6	.9	2.6	.0	.0	.0	88.3
TOT PCT TOT OBS:	.5	4.4	.5	.0	.0	.0	.0	5.4	2.1	.5	2.4	.0	.0	.0	89.7

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							48+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	00	03					06	09	12	15	18	21	
N	.0	*	.0	.0	.0	.0		*	9.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
NE	.1	.5	.2	*	.0	.0		.8	8.2	3.0	.5	1.6	.2	.9	.6	.4	.6	.6
E	.4	9.0	7.2	.2	.0	.0		16.8	10.7	19.6	17.0	18.2	16.7	20.4	15.2	16.6	14.7	14.7
SE	.5	30.0	39.2	1.2	.0	.0		70.9	11.8	64.1	70.6	68.8	70.4	69.1	73.3	72.3	72.9	72.9
S	.2	4.2	6.3	.2	*	.0		11.1	12.0	12.9	11.2	10.7	12.5	9.4	10.6	10.4	11.2	11.2
SW	*	.1	*	.0	.0	.0		.1	9.3	.4	.0	.1	.0	.2	.0	.1	.2	.2
W	*	.0	.0	.0	.0	.0		*	2.0	.0	.0	.0	.1	.0	.1	.0	.0	.0
NW	*	.0	.0	.0	.0	.0		*	2.0	.0	.0	.0	.1	.0	.1	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.3							.3	.0	.0	.7	.5	.0	.0	.0	.2	.4	.4
TOT OBS	51	1401	1692	51	1	0		3196	11.6	167	414	548	431	141	464	583	448	448
TOT PCT	1.6	43.8	52.9	1.6	*	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	0-6	WIND SPEED (KNOTS)				TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
		7-16	17-27	28-40	41+				00	06	12	18
N	.0	*	.0	.0	.0	*	9.0	.0	.1	.0	.0	
NE	.4	.4	*	.0	.0	.8	8.2	1.2	1.0	.7	.5	
E	2.6	12.5	1.7	.0	.0	16.8	10.7	17.7	17.5	16.4	15.7	
SE	6.1	53.0	11.7	.1	.0	70.9	11.8	68.7	69.5	72.3	72.6	
S	1.1	7.9	2.1	*	.0	11.1	12.0	11.7	11.5	10.3	10.8	
SW	*	.1	*	.0	.0	.1	9.3	.1	.1	*	.1	
W	*	.0	.0	.0	.0	*	2.0	.0	.1	.1	.0	
NW	*	.0	.0	.0	.0	*	2.0	.0	.1	.1	.0	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.3	.0	.0	.0	.0	.3	.0	.5	.3	.0	.3	
TOT OBS	335	2359	497	5	0	3196	11.6	581	979	605	1031	
TOT PCT	10.5	73.8	15.6	.2	.0	100.0		100.0	100.0	100.0	100.0	

NOVEMBER

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	WIND SPEED (KNOTS)						MEAN	PCT FREQ	TOTAL OBS
		1-3	4-10	11-21	22-33	34-47	48+			
0000	.5	1.4	48.9	48.0	1.2	.0	.0	11.1	100.0	581
0600	.3	1.2	48.9	48.2	1.3	.0	.0	11.2	100.0	979
1200	.0	.8	37.5	58.7	2.8	.2	.0	12.3	100.0	603
1800	.3	1.6	39.9	56.8	1.4	.0	.0	11.8	100.0	1031
TOT	.9	4.2	1401	1692	51	1	0	11.6		3196
PCT	.3	1.3	43.8	52.9	1.6	*	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.0	.0		.0
NE	.6	.5	.0	.0		2.4
E	6.7	7.4	4.6	.6		3.5
SE	21.3	26.7	16.3	5.8		3.8
S	2.3	3.7	2.8	.7		3.8
SW	.1	.0	.1	.0		3.5
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.0	.0	.0	.0		.0
TOT OBS	134	166	103	31	434	3.7
TOT PCT	30.9	38.2	23.7	7.1	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <4/8 BY WIND DIRECTION

000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
.0	.0	.0	.7	.8	.0	.1	.2	.0	.4	16.9	
.0	.0	.2	3.3	5.5	1.8	1.8	.3	.0	.1	57.0	
.0	.0	.0	.5	.4	.5	.6	.1	.0	.0	7.4	
.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
.0	.0	1	20	29	10	11	3	0	2	358	434
.0	.0	.2	4.6	6.7	2.3	2.5	.7	.0	.5	82.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>6500	.5	.5	.5	.5	.5	.5	.5	.5
>5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
>3500	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
>2000	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9
>1000	11.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8
>600	16.2	17.4	17.4	17.4	17.4	17.4	17.4	17.4
>300	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
>150	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
>0	16.4	17.6	17.6	17.6	17.6	17.6	17.6	17.6
TOTAL	72	77	77	77	77	77	77	77

TOTAL NUMBER OF OBS: 438

PCT FREQ NH <5/8: 82.4

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
3.5	13.1	25.5	24.0	15.7	5.7	5.2	2.8	4.6	.0	459

NOVEMBER

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
LN 29.4N

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1
	NO PCP	.0	.0	.9	.9	.0	.0	.0	.0	.0	.0	1.8	1.8
	TOT %	.0	.0	.9	1.0	.0	.0	.0	.0	.0	.0	2.0	2.0
1<2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	NO PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.3	.3
	TOT %	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.3	.3
5<10	PCP	.0	.0	.7	3.3	.1	.0	.0	.0	.0	.0	4.2	4.2
	NO PCP	.0	.5	5.7	23.1	2.0	.0	.0	.0	.0	.0	31.3	31.3
	TOT %	.0	.5	6.4	26.4	2.2	.0	.0	.0	.0	.0	35.5	35.5
10+	PCP	.0	.0	.1	.7	.0	.0	.0	.0	.0	.0	.8	.8
	NO PCP	.0	.6	13.2	41.6	6.1	.1	.0	.0	.0	.0	61.5	61.5
	TOT %	.0	.6	13.3	42.3	6.1	.1	.0	.0	.0	.0	62.3	62.3
TOT OBS													767
TOT PCT													.0 100.0

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1/2<1	0-3	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1
	4-10	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.4	.4
	11-21	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.6	.6
	22+	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1
	TOT %	.0	.0	.5	.6	.0	.0	.0	.0	.0	.0	1.1	1.1
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	4-10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2<5	0-3	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	.1
	4-10	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.4	.4
	11-21	.0	.0	.1	.2	*	.0	.0	.0	.0	.0	.3	.3
	22+	.0	.0	*	*	.0	.0	.0	.0	.0	.0	.1	.1
	TOT %	.0	.0	.2	.6	*	.0	.0	.0	.0	.0	.8	.8
5<10	0-3	.0	.2	.1	.2	.0	.0	.0	.0	.0	.0	.4	.4
	4-10	.0	.1	1.6	5.4	.6	*	.0	.0	.0	.0	7.7	7.7
	11-21	.0	.0	2.0	9.3	.7	.0	.0	.0	.0	.0	12.0	12.0
	22+	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.4	.4
	TOT %	.0	.3	3.7	15.1	1.3	*	.0	.0	.0	.0	20.5	20.5
10+	0-3	.0	.1	.3	.2	.2	*	.0	.0	.0	.0	1.1	1.1
	4-10	.0	.3	8.2	26.7	2.8	*	.0	.0	.0	.0	38.1	38.1
	11-21	.0	*	5.7	28.0	4.1	.0	.0	.0	.0	.0	37.8	37.8
	22+	.0	.0	.2	.3	.1	.0	.0	.0	.0	.0	.6	.6
	TOT %	*	.4	14.4	55.2	7.2	.1	.0	.0	.0	.0	77.7	77.7
TOT OBS													1602
TOT PCT													.3 100.0

NOVEMBER

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1954-1973APEA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NH >4/8) AND
OCCURRENCE OF NH <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NH <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.9	1.7	7.7	3.4	2.6	.9	.0	.9	17.9	72.1	117
06009	.0	.0	.0	4.1	9.3	2.1	2.1	2.1	.0	.0	19.6	80.4	97
12015	.0	.0	.0	6.0	6.0	1.7	.9	.0	.0	.0	14.5	85.5	117
18021	.0	.0	.0	5.8	4.1	1.7	4.1	.0	.0	.8	16.5	83.5	121
TOT	0	0	1	20	30	10	11	3	0	2	77	375	452
PCT	.0	.0	.2	4.4	6.6	2.2	2.4	.7	.0	.4	17.0	83.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2-1	1-2	2-5	5-10	10+	TOTAL OBS
00003	.0	.9	.0	1.9	21.1	76.2	323
06009	.0	.9	.0	.7	22.7	75.7	449
12015	.0	1.2	.0	.6	16.2	82.0	334
18021	.0	1.4	.0	.4	21.5	76.7	507
TOT	0	18	0	13	333	1249	1613
PCT	.0	1.1	.0	.8	20.6	77.4	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NH >4/8), BY HOUR

HOURL (GMT)	<150 <500	<600 <1	<1000 <5	1000+ AND 5+	NH <5/8 AND 3+	TOTAL OBS
00003	.0	.9	2.7	15.9	81.4	113
06009	.0	.0	4.2	15.8	80.0	95
12015	.0	.0	6.2	8.8	85.0	113
18021	.0	.0	6.0	11.1	82.9	117
TOT	0	1	21	56	361	438
PCT	.0	.2	4.6	12.8	82.4	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
85/89	.0	.0	.0	.0	1.0	.8	.0	.0	9	1.8
90/84	.0	.0	.0	.2	1.0	25.8	16.7	1.4	224	45.1
75/79	.0	.0	.0	.0	.0	13.5	32.0	7.6	264	53.1
TOTAL	0	0	0	1	10	199	242	45	497	100.0
PCT	.0	.0	.0	.2	2.0	40.0	48.7	9.1		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
85/89	.0	.0	.5	1.1	.3	.0	.0	.0	.0	.0
90/84	.0	.2	9.7	31.2	3.9	.1	.0	.0	.0	.0
75/79	.0	.5	10.0	36.8	5.5	.1	.0	.0	.0	.0
TOTAL	.0	1.1	20.1	69.0	9.7	.1	.0	.0	.0	.0

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	84	82	81	79	77	73	71	78.7	377
06009	85	83	81	79	77	73	71	78.8	969
12015	91	86	84	81	78	77	76	81.0	579
18021	89	86	83	80	78	76	75	80.0	1000
TOT	91	85	83	79	77	76	71	79.6	3125

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.8	27.3	62.9	9.1	83	132
06009	.0	.0	.0	24.8	58.7	16.5	84	121
12015	.0	.8	3.4	56.8	34.7	4.2	78	116
18021	.0	.0	3.8	51.1	38.9	6.1	80	131
TOT	0	1	10	200	246	45	81	502

PERIOD: (PRIMARY) 1903-1973
(OVER-ALL) 1854-1973

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AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FDG	WD FDG
7/8	.0	.0	.1	.0	.0	1	.0	.1
6	.0	.0	.1	.4	.1	5	.0	.7
5	.0	.1	.6	.4	.0	8	.0	1.1
4	.0	.0	.9	.6	.0	10	.0	1.4
3	.0	.4	2.7	.1	.0	23	.3	3.0
2	.0	2.2	4.0	.3	.0	45	.4	6.0
1	.0	6.5	5.7	.0	.0	85	.4	11.8
0	.0	21.2	5.6	.0	.0	187	.6	26.3
-1	.0	22.4	1.0	.0	.0	163	.4	23.0
-2	.1	11.9	1.4	.0	.0	94	.3	12.2
-3	.1	6.0	.0	.0	.0	43	.0	6.2
-4	.4	2.0	.1	.0	.0	18	.0	2.6
-5	.4	1.1	.0	.0	.0	11	.0	1.6
-6	.1	.1	.0	.0	.0	2	.0	.3
-7/-8	.0	.3	.0	.0	.0	2	.0	.3
TOTAL	9	518	156	13	1	697	17	650
PCT	1.3	74.3	22.4	1.9	.1	100.0	2.4	97.6

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.9
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.0	.9

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.0	.3	.0	.0	.0	.0	.3	.0	.1	.4	.0	.0	.0	.5
1-2	.0	5.1	1.0	.0	.0	.0	6.1	.3	18.9	6.8	.0	.0	.0	26.0
3-4	.0	4.3	3.1	.3	.0	.0	7.7	.0	13.5	14.4	.1	.0	.0	28.0
5-6	.0	.0	4.4	.0	.0	.0	4.4	.0	1.9	11.9	.0	.0	.0	13.8
7	.0	.0	.3	.0	.0	.0	.3	.0	.4	1.8	.0	.0	.0	2.2
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.3	.0	.0	.0	.3	.0	.0	.1	.0	.0	.0	.1
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	9.6	9.2	.3	.0	.0	19.1	.3	34.7	35.4	.1	.0	.0	70.5

PERIOD: (OVER-ALL) 1963-1973

NOVEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT
<1	.0	.3	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1
1-2	.9	1.9	1.0	.0	.0	.0	3.7	.0	.1	.0	.0	.0	.0	.1
3-4	.0	2.0	1.5	.0	.0	.0	3.5	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.4	1.2	.0	.0	.0	1.6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.6	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0	.0	.0
TOT PCT	.9	4.6	4.3	.0	.0	.0	9.7	.0	.2	.0	.0	.0	.0	.2

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	.0	.8	.4	.0	.0	.0	1.1	
1-2	1.1	20.0	8.8	.0	.0	.0	33.9	
3-4	.4	19.8	19.1	.4	.0	.0	39.7	
5-6	.0	2.3	17.6	.0	.0	.0	19.8	
7	.0	.4	2.7	.0	.0	.0	3.1	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.4	.0	.0	.0	.4	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	1.5	49.2	48.9	.4	.0	.0	100.0	262

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.2	9.9	20.0	11.3	2.1	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	150	3
6-7	.0	.0	7.8	10.7	4.8	1.5	.6	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	86	3
8-9	.0	.0	2.4	5.7	1.5	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	39	5
10-11	.0	.0	.6	.9	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9	5
12-13	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	5
>19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	0
INDET	.3	3.0	8.7	3.0	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	56	4
TOTAL	5	43	192	107	38	5	3	0	2	0	0	0	0	0	0	0	0	0	0	335	4
PCT	1.5	12.8	39.4	31.9	11.3	1.5	.9	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WIND DIR	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
N	25.0	12.5	.0	.0	.0	.0	.0	37.5	.0	.0	.0	.0	.0	.0	62.5
NE	19.8	11.0	.0	.0	.0	.0	.0	30.8	4.4	4.4	.0	.0	.0	.0	64.8
E	1.5	5.9	.0	.0	.0	.0	.0	7.4	1.0	3.6	1.3	.0	.0	.0	86.6
SE	1.7	5.9	.2	.0	.0	.0	.0	7.7	2.2	1.5	3.7	.0	.0	.0	85.2
S	3.1	9.0	2.0	.0	.0	.0	.0	14.0	2.8	2.2	1.1	.0	.0	.0	80.4
SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0
W	100.0	.0	.0	.0	.0	.0	.0	100.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	33.3	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	.0	66.7
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0	66.7
TOT PCT	2.5	6.4	.4	.0	.0	.0	.0	9.2	2.1	2.1	2.7	.0	.0	.0	84.2
TOT OBS:	847														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST SNOW	NO SIG WEA
0000	2.2	2.7	.3	.0	.0	.0	.0	5.4	3.2	4.9	1.6	.0	.0	.0	85.9
0600	3.6	8.0	.4	.0	.0	.0	.0	12.0	1.2	2.8	3.2	.0	.0	.0	81.3
1200	1.5	5.7	.3	.0	.0	.0	.0	7.7	2.1	.0	2.1	.0	.0	.0	88.1
1800	2.6	8.2	.0	.0	.0	.0	.0	10.8	2.2	1.7	3.4	.0	.0	.0	81.9
TOT PCT TOT OBS:	2.6	6.4	.3	.0	.0	.0	.0	9.3	2.1	2.3	2.7	.0	.0	.0	84.1

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)						
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21
N	.2	.2	.1	.0	.0	.0		.4	5.9	.4	.4	.5	.8	.0	.7	.4	.0
NE	.5	1.8	.6	*	.0	.0		2.9	7.6	5.2	3.0	3.1	2.8	2.6	2.5	1.9	3.9
E	1.3	13.0	4.7	.1	.0	.0		19.1	8.9	20.4	19.9	20.3	16.7	26.1	19.3	18.3	17.1
SE	1.7	36.9	25.6	.4	.0	.0		64.6	10.3	62.1	64.3	63.2	65.7	60.5	65.1	66.2	65.3
S	.6	6.3	4.6	.2	.0	.0		11.6	10.2	9.5	10.9	11.3	13.1	10.8	11.4	11.8	12.5
SW	*	.1	*	.0	.0	.0		.2	8.7	.6	.1	.1	.4	.0	.1	.1	.2
W	*	.0	.0	.0	.0	.0		*	2.0	.0	.0	.2	.0	.0	.0	.0	.0
NW	.0	*	.0	.0	.0	.0		*	9.0	.0	.2	.0	.0	.0	.1	.0	.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0							1.0	.0	1.8	1.2	1.4	.4	.0	.6	1.4	1.0
TOT OBS	170	1869	1198	23	0	0	3200		9.8	168	403	577	443	155	474	567	411
TOT PCT	5.3	58.4	35.6	.7	.0	.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)				41+	TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)			
	0-6	7-16	17-27	28-40					00	06	12	18
N	.3	.2	.0	.0	.0	.0	.4	5.9	.4	.6	.6	.2
NE	1.4	1.5	.1	.0	.0	.0	2.9	7.6	3.6	3.0	2.5	2.7
E	5.8	12.3	1.0	*	.0	.0	19.1	8.9	20.1	18.7	21.0	17.8
SE	11.7	46.7	6.1	*	.0	.0	64.6	10.3	63.6	64.3	64.0	65.8
S	2.7	7.5	1.5	.0	.0	.0	11.6	10.2	10.5	12.1	11.3	12.1
SW	.1	.1	*	.0	.0	.0	.2	8.7	.2	.2	.1	.2
W	*	.0	.0	.0	.0	.0	*	2.0	.0	.1	.0	.0
NW	.0	*	.0	.0	.0	.0	*	9.0	.2	.0	.1	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	1.0						1.0	.0	1.4	1.0	.5	1.2
TOT OBS	738	2182	279	1	0	3200		9.8	571	1022	629	978
TOT PCT	23.1	68.2	8.7	*	.0		100.0		100.0	100.0	100.0	100.0

DECEMBER

PERIOD: (PRIMARY) 1997-1973
(OVER-ALL) 1854-1973

WRE 0024 ST. PETER AND PAUL ROCKS
LN 29.3W

TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)				48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47					
0000Z	1.4	4.6	62.7	31.0	.4	.0	.0	.0	9.3	100.0	571
0600Z	1.7	4.6	56.8	30.8	.8	.0	.0	.0	9.8	100.0	1022
1201Z	.5	2.5	54.7	40.5	1.7	.0	.0	.0	10.5	100.0	629
1802Z	1.2	4.9	59.9	33.7	.2	.0	.0	.0	9.5	100.0	978
TOT	23	137	1869	1138	23	0	0	0	9.8		3200
PCT	1.0	4.3	58.4	35.6	.7	.0	.0	.0	100.0		

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.0	.0	.2	.0		7.0
NE	.8	.2	1.2	.6		4.8
E	9.1	7.5	7.5	.7		3.5
SE	19.2	20.0	18.1	4.9		3.9
S	2.9	1.8	3.5	1.6		4.5
SW	.0	.0	.1	.0		6.0
W	.0	.0	.0	.0		.0
NW	.0	.0	.0	.0		.0
VAR	.0	.0	.0	.0		.0
CALM	.2	.2	.0	.2		4.0
TOT OBS	145	134	138	34	451	3.9
TOT PCT	32.2	29.7	30.6	7.5	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
NE	.0	.0	.0	.3	.5	.0	.1	.0	.0	.0	.0	1.5
E	.0	.0	.2	.0	1.8	.9	.4	.1	.0	.0	.0	21.3
SE	.0	.0	.5	2.1	5.3	2.1	2.1	.3	.0	.0	.2	49.2
S	.0	.0	.0	.5	1.9	.3	.9	.0	.0	.0	.1	6.0
SW	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
W	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.4
TOT OBS	0	0	3	15	45	15	16	2	0	1	354	451
TOT PCT	.0	.0	.7	3.3	10.0	3.3	3.5	.4	.0	.2	78.5	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	>10	>5	>2	>1	>1/2	>1/4	>50YD	>0
>DR >6500	.2	.2	.2	.2	.2	.2	.2	.2
>DR >5000	.7	.7	.7	.7	.7	.7	.7	.7
>DR >3500	3.3	3.7	3.7	4.2	4.2	4.2	4.2	4.2
>DR >2000	6.4	7.0	7.0	7.5	7.5	7.5	7.5	7.5
>DR >1000	15.8	17.1	17.1	17.5	17.5	17.5	17.5	17.5
>DR >600	17.8	20.4	20.4	21.1	21.1	21.1	21.1	21.1
>DR >300	18.4	21.1	21.1	21.7	21.7	21.7	21.7	21.7
>DR >150	18.4	21.1	21.1	21.7	21.7	21.7	21.7	21.7
>DR >0	18.4	21.1	21.1	21.7	21.7	21.7	21.7	21.7
TOTAL	84	96	96	99	99	99	99	99

TOTAL NUMBER OF OBS: 456

PCT FREQ NH <5/8: 78.3

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

	0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
	5.6	11.1	25.1	23.4	12.6	7.7	4.0	4.6	5.9	.0	478

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973

DECEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
60N 29.2E

TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VISBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
1/2<1	PCP	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.3	2.3	.1	.0	.0	.0	.0	.0	2.7	
	TOT %	.0	.0	.4	2.5	.1	.0	.0	.0	.0	.0	3.0	
1<2	PCP	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.0	.2	.0	.0	.0	.0	.0	.0	.4	
2<5	PCP	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	NO PCP	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	
5<10	PCP	.2	.6	1.5	3.9	1.4	.0	.1	.1	.0	.0	7.7	
	NO PCP	.1	.5	7.6	21.1	4.2	*	.0	.1	.0	.2	33.9	
	TOT %	.3	1.1	9.0	25.0	5.5	*	.1	.2	.0	.2	41.6	
10+	PCP	.0	.1	.2	.7	.1	.0	.0	.0	.0	.0	1.1	
	NO PCP	.2	1.3	13.4	34.0	4.8	.1	.0	.0	.0	.1	54.0	
	TOT %	.2	1.4	13.6	34.7	4.9	.1	.0	.0	.0	.1	55.0	
TOT OBS													847
TOT PCT		.5	2.7	23.0	62.5	10.5	.1	.1	.2	.0	.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VISBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.0	.0	*	.0	.0	.0	.0	.0	.1	
	11-21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.0	*	*	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.4	
	11-21	.0	.0	.1	1.1	.1	.0	.0	.0	.0	.0	1.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.0	.2	1.3	.1	.0	.0	.0	.0	.0	1.6	
1<2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	
	11-21	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.2	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.2	.0	.2	.0	.0	.0	.0	.0	.0	.4	
2<5	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	.0	.1	.2	.3	.3	.0	.0	.0	.0	.0	1.0	
	11-21	.0	.2	.1	.1	.1	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	.0	.3	.2	.6	.4	.0	.0	.0	.0	.0	1.3	
5<10	0-3	.1	.1	.5	.5	.1	.0	.1	.0	.0	.2	1.3	
	4-10	*	.6	3.5	7.6	2.0	*	.0	.1	.0	.0	13.8	
	11-21	*	.1	1.8	7.9	1.1	.0	.0	.0	.0	.0	11.0	
	22+	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	
	TOT %	.2	.8	5.9	16.1	3.2	*	.1	.1	.0	.2	26.4	
10+	0-3	.1	.1	.7	.9	*	.0	.0	.0	.0	.2	2.0	
	4-10	.1	.7	10.5	30.3	4.1	.1	.0	.0	.0	.0	45.8	
	11-21	*	.3	3.5	16.4	1.8	.0	.0	.0	.0	.0	22.0	
	22+	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.2	
	TOT %	.2	1.2	14.7	47.7	6.0	.1	.0	.0	.0	.2	70.1	
TOT OBS													1633
TOT PCT		.3	2.5	21.1	65.9	9.6	.1	.1	.1	.0	.4	100.0	

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOURL (GMT)	000 149	150 209	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL 19.0	NM <5/8 ANY HGT	TOTAL OBS
00003	.0	.0	.9	4.3	9.5	1.7	1.7	.9	.0	.9	19.0	80.2	116
06009	.0	.0	.8	2.5	7.5	1.7	3.3	.0	.0	.0	15.8	84.2	120
12015	.0	.0	.0	4.8	7.1	5.6	2.4	.0	.0	.0	19.8	80.2	126
18021	.0	.0	.9	1.8	15.6	3.7	6.4	.9	.0	.0	25.4	70.6	109
TOT	0	0	3	16	46	15	16	2	0	1	99	372	471
PCT	.0	.0	.6	3.4	9.8	3.2	3.4	.4	.0	.2	21.0	79.0	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.3	1.2	.6	2.7	25.5	69.7	330
06009	.0	1.8	.2	1.0	29.5	67.5	501
12015	.0	1.2	.6	1.2	22.0	75.1	346
18021	.0	1.9	.4	1.3	27.7	68.7	469
TOT	1	26	7	24	438	1150	1646
PCT	.1	1.6	.4	1.5	26.6	69.9	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOURL (GMT)	<150 <5000	<600 <1	<1000 <5	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.0	.9	5.4	15.3	79.3	111
06009	.0	.8	3.4	12.7	83.9	118
12015	.0	.0	6.5	14.5	79.0	124
18021	.0	1.0	3.9	27.2	68.9	103
TOT	0	3	22	78	356	456
PCT	.0	.7	4.8	17.1	78.1	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	.2	.0	.0	.0	1	.2
85/89	.0	.0	.0	.0	.4	.6	.2	.0	6	1.2
80/84	.0	.0	.0	.0	1.0	22.4	19.4	3.0	227	43.9
75/79	.0	.0	.0	.0	.0	7.1	37.0	8.5	260	52.5
70/74	.0	.0	.0	.0	.0	.0	.0	.2	1	.2
TOTAL	0	0	0	0	8	149	280	58	495	100.0
PCT	.0	.0	.0	.0	1.6	30.1	56.6	11.7		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

	N	NE	E	SE	S	SW	W	NW	VAR	CALM
90	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.3	.9	.0	.0	.0	.0	.0	.0
80	.0	1.2	10.8	29.3	4.6	.1	.0	.0	.0	.0
75	.2	1.5	13.1	32.5	4.7	.0	.0	.0	.0	.6
70	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0
TOT	.2	2.7	24.4	62.7	9.3	.1	.0	.0	.0	.6

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	85	82	81	79	77	75	73	78.8	569
06009	86	82	81	79	77	75	72	78.8	1010
12015	92	86	84	81	78	75	72	80.8	611
18021	89	86	83	80	78	76	73	80.1	966
TOT	92	85	82	79	77	75	72	79.6	3156

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.0	9.8	76.4	13.8	85	123
06009	.0	.0	.0	15.1	70.6	14.3	84	126
12015	.0	.0	.8	50.0	38.5	7.7	80	130
18021	.0	.0	2.5	45.1	41.0	11.5	81	122
TOT	0	0	8	151	283	59	83	501

DECEMBER

PERIOD: (PRIMARY) 1897-1973
(OVER-ALL) 1854-1973

AREA 0024 ST. PETER AND PAUL ROCKS
ON 29.3M

TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TEMP DIF	73 76	77 80	81 84	85 88	89 92	TOT	N FOG	WD FOG
9/10	.0	.0	.0	.1	.0	1	.0	.1
7/8	.0	.0	.1	.0	.0	1	.0	.1
6	.0	.0	.0	.1	.1	2	.0	.3
5	.0	.3	.0	.3	.0	4	.0	.5
4	.0	.0	.4	.1	.0	4	.0	.5
3	.0	.1	1.8	.3	.0	17	.3	2.0
2	.0	.7	3.8	.0	.0	34	.1	4.3
1	.0	5.1	6.5	.0	.0	89	.4	11.2
0	.0	19.1	8.1	.0	.0	209	1.2	26.0
-1	.0	25.1	2.2	.0	.0	210	.8	26.6
-2	.0	12.9	1.3	.0	.0	109	.1	14.1
-3	.5	5.2	.0	.0	.0	44	.0	5.7
-4	1.0	2.5	.1	.0	.0	28	.0	3.6
-5	.4	1.2	.0	.0	.0	12	.0	1.6
-6	.0	.1	.0	.0	.0	1	.0	.1
-7/-8	.1	.3	.0	.0	.0	3	.0	.4
TOTAL	16	557	187	7	1	768	22	746
PCT	2.1	72.5	24.3	.9	.1	100.0	2.9	97.1

PERIOD: (OVER-ALL) 1963-1973

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	N 22-33	34-47	48+	PCT	1-3	4-10	11-21	NE 22-33	34-47	48+	PCT
<1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
1-2	.0	.3	.0	.0	.0	.0	.3	.0	1.0	.4	.0	.0	.0	2.1
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.0	.3	.0	.0	.0	.0	.3	.0	1.0	.4	.0	.0	.0	2.1

HGT	1-3	4-10	11-21	E 22-33	34-47	48+	PCT	1-3	4-10	11-21	SE 22-33	34-47	48+	PCT
<1	1.1	.8	.0	.0	.0	.0	1.9	.5	3.1	.0	.0	.0	.0	3.6
1-2	.4	8.8	1.0	.0	.0	.0	10.2	.8	20.0	3.8	.0	.0	.0	24.6
3-4	.4	7.8	3.5	.0	.0	.0	11.7	.0	14.7	10.4	.0	.0	.0	25.1
5-6	.0	2.4	.4	.0	.0	.0	2.8	.0	2.9	4.5	.0	.0	.0	7.4
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.4
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.9	19.8	4.9	.0	.0	.0	26.6	1.3	40.8	19.0	.0	.0	.0	61.1

PERIOD: (OVER-ALL) 1962-1973

DECEMBER

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.3W

TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
41	.0	.3	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0	.0	.1	99.2
1-2	.0	3.1	.3	.0	.0	.0	3.4	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	3.2	.6	.0	.0	.0	3.8	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.9	.6	.0	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	7.5	1.5	.0	.0	.0	9.0	.0	.1	.0	.0	.0	.0	.1	

HGT	1-3	4-10	11-21	22-33	34-47	48+	PCT	1-3	4-10	11-21	22-33	34-47	48+	PCT	TOTAL PCT
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99.2
1-2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
3-4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
5-6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
8-9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
41	2.3	4.3	.0	.0	.0	.0	6.6	257
1-2	1.9	33.1	5.4	.0	.0	.0	40.5	
3-4	.4	26.1	14.4	.0	.0	.0	40.9	
5-6	.0	6.2	3.4	.0	.0	.0	11.7	
7	.0	.0	.4	.0	.0	.0	.4	
8-9	.0	.0	.0	.0	.0	.0	.0	
10-11	.0	.0	.0	.0	.0	.0	.0	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	4.7	69.6	25.7	.0	.0	.0	100.0	

PERIOD: (OVER-ALL) 1949-1973

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
46	1.7	12.3	15.1	8.0	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	135	3
6-7	.0	.9	8.8	15.4	2.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	99	5
8-9	.0	.0	1.7	3.7	2.8	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	32	6
10-11	.0	.3	.6	.9	.6	.3	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	6
12-13	.0	.0	.9	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4	5
>13	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	7
INDET	1.7	5.7	6.3	4.0	1.4	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	68	3
TOTAL	12	67	117	112	31	7	3	1	1	0	0	0	0	0	0	0	0	0	0	331	4
PCT	3.4	19.1	33.3	31.9	8.8	2.0	.9	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

ANNUAL

PERIOD: (PRIMARY) 1897-1974
(OVER-ALL) 1854-1974AREA 0024 ST. PETER AND PAUL ROCKS
.0N 29.4W

TABLE 1

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY WIND DIRECTION

PRECIPITATION TYPE										OTHER WEATHER PHENOMENA					
WNC DIR	RAIN	RAIN SHWR	CRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
N	6.7	6.6	1.2	.0	.0	.0	.1	14.6	1.5	1.3	.4	.0	.4	.0	49.1
NE	6.4	6.6	.6	.0	.0	.0	*	13.6	2.7	2.4	.5	.0	.1	*	81.9
E	2.7	6.6	.4	.0	.0	.0	.0	9.6	2.5	2.1	2.1	.0	*	.0	84.2
SE	3.0	5.6	.4	.0	.0	.0	.0	8.9	2.6	1.3	2.0	.0	.1	*	85.3
S	4.3	4.4	.2	.0	.0	.0	.0	9.0	1.5	1.5	1.4	.0	.3	.0	86.9
SW	7.2	1.3	.1	.0	.0	.0	.0	8.6	.2	1.3	.0	.0	.0	.0	90.9
W	14.4	9.4	.3	.0	.0	.0	.0	24.2	.0	1.4	.7	.0	.0	.0	40.5
NW	5.4	7.0	.5	.0	.0	.0	.0	12.4	.8	.4	.3	.0	.0	.0	44.3
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
CALM	3.0	1.9	4.2	.0	.0	.0	.0	9.1	6.0	1.5	.4	.0	.3	.0	57.8
TOT PCT	3.4	6.1	.6	.0	.0	.0	*	10.1	2.5	1.7	1.6	.0	.1	*	84.3
TOT OBS:	8601														

TABLE 2

PERCENT FREQUENCY OF WEATHER OCCURRENCE BY HOUR

HOUR (GMT)	PRECIPITATION TYPE							OTHER WEATHER PHENOMENA							
	RAIN	RAIN SHWR	DRZL	FRZG PCPN	SNOW	OTHER FRZN PCPN	HAIL	PCPN AT DB TIME	PCPN PAST HOUR	THDR LTNG	FOG WD PCPN	FOG WD PCPN PAST HR	SMOKE HAZE	SPRAY BLWG DUST	NO SIG WEA
00003	3.1	5.5	.9	.0	.0	.0	*	9.4	2.8	3.2	1.2	.0	.2	.0	84.0
06009	4.4	7.1	.5	.0	.0	.0	.0	11.9	2.5	2.7	2.0	.0	.1	.1	81.5
12015	3.8	5.7	.5	.0	.0	.0	.0	9.9	2.9	.1	1.0	.0	.2	.0	86.0
18021	3.4	6.6	.6	.0	.0	.0	*	10.7	2.2	1.3	2.0	.0	.1	.0	84.2
TOT PCT	3.7	6.3	.6	.0	.0	.0	*	10.6	2.6	1.8	1.6	.0	.1	*	83.8
TOT OBS: 10180															

TABLE 3

PERCENTAGE FREQUENCY OF WIND DIRECTION BY SPEED AND BY HOUR

WIND DIR	WIND SPEED (KNOTS)							TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)							
	0-3	4-10	11-21	22-33	34-47	48+	00				03	06	09	12	15	18	21	
N	.9	2.5	.7	*	.0	.0		4.0	5.8		3.9	4.2	3.8	4.2	3.7	3.9	4.3	3.9
NE	1.5	6.8	1.8	*	.0	.0		10.1	7.9		10.8	10.1	9.6	10.3	11.1	10.1	9.8	10.4
E	1.6	13.0	5.5	.1	.0	.0		20.3	9.0		23.0	21.4	20.4	19.3	20.1	19.9	20.0	20.1
SE	1.7	25.6	21.1	.6	.0	.0		48.9	9.9		46.1	48.0	47.6	49.7	48.9	50.4	50.0	48.7
S	.8	5.9	4.2	.2	*	.0		11.0	9.0		10.7	10.6	11.7	11.4	11.3	10.7	10.5	11.1
SW	.2	.7	.2	*	.0	.0		1.1	7.9		.9	1.2	1.3	1.0	.9	1.0	.9	1.1
W	.1	.4	.1	.0	.0	.0		.6	5.8		.4	.6	.7	.6	.8	.5	.7	.5
NW	.3	.6	.1	*	.0	.0		1.0	4.6		1.0	.8	1.0	1.0	1.3	.9	1.1	1.0
VAR	.0	.0	.0	.0	.0	.0		.0	.0		.0	.0	.0	.0	.0	.0	.0	.0
CALM	2.9							2.9	.0		3.3	3.2	3.8	2.4	1.9	2.5	2.6	3.1
TOT OBS							35913		9.3		1876	4584	6263	4796	1941	5039	6658	4756
TOT PCT	10.0	55.5	33.5	1.0	*	.0		100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 3A

WIND DIR	WIND SPEED (KNOTS)					TOTAL OBS	PCT FREQ	MEAN SPD	HOUR (GMT)				
	0-6	7-16	17-27	28-40	41+				00 03	06 09	12 15	18 21	
N	2.2	1.7	.1	*	.0		4.0	5.8	4.1	4.0	3.9	4.2	
NE	4.7	5.1	.3	*	.0		10.1	7.9	10.3	9.9	10.4	10.1	
E	6.8	12.2	1.2	*	.0		20.3	9.0	21.8	20.0	19.9	20.0	
SE	9.0	34.0	5.8	.1	.0		48.9	9.9	47.5	48.5	50.0	49.5	
S	2.9	6.9	1.1	*	.0		11.0	9.0	10.6	11.6	10.9	10.7	
SW	.6	.4	*	*	.0		1.1	7.9	1.1	1.2	1.0	1.0	
W	.4	.2	*	.0	.0		.6	5.8	.5	.7	.6	.6	
NW	.6	.3	*	.0	.0		1.0	4.6	.9	1.0	1.0	1.1	
VAR	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	
CALM	2.9						2.9	.0	3.2	3.2	2.4	2.9	
TOT OBS						35913		9.3	6660	11059	6980	11414	
TOT PCT	30.3	60.9	8.7	.1	.0		100.0		100.0	100.0	100.0	100.0	

PERIOD: (PRIMARY) 1897-1974
(OVER-ALL) 1854-1974

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TABLE 4

PERCENTAGE FREQUENCY OF WIND SPEED BY HOUR (GMT)

HOUR	CALM	1-3	4-10	WIND SPEED (KNOTS)			48+	MEAN	PCT FREQ	TOTAL OBS
				11-21	22-33	34-47				
00003	3.2	7.6	58.7	29.7	.8	*	.0	8.9	100.0	6460
06009	3.2	7.3	56.6	32.0	.9	.0	.0	9.1	100.0	11059
12015	2.4	6.0	52.2	38.1	1.3	*	.0	9.8	100.0	6980
18021	2.9	7.2	54.8	34.3	.9	.0	.0	9.3	100.0	11414
TOT								9.3		35913
PCT	2.9	7.1	59.5	33.5	1.0	*	.0		100.0	

TABLE 5

PCT FREQ OF TOTAL CLOUD AMOUNT (EIGHTHS)
BY WIND DIRECTION

WIND DIR	0-2	3-4	5-7	8 & OBSCD	TOTAL OBS	MEAN CLOUD COVER
N	.6	.8	1.6	1.2		3.7
NE	2.0	2.7	4.5	2.2		4.1
E	7.0	6.9	5.7	2.3		3.8
SE	15.8	15.9	11.5	3.7		3.9
S	3.2	3.4	3.1	.8		4.1
SW	.1	.2	.4	.2		5.3
W	.1	.1	.3	.3		3.2
NW	.1	.2	.5	.4		2.9
VAR	.0	.0	.0	.0		.0
CALM	.6	.5	.7	.4		3.5
TOT OBS					5563	4.0
TOT PCT	29.3	30.7	28.4	11.9	100.0	

TABLE 6

PERCENTAGE FREQUENCY OF CEILING HEIGHTS (FT, NH >4/8)
AND OCCURRENCE OF NH <5/8 BY WIND DIRECTION

	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	NH <5/8 ANY HGT	TOTAL OBS
N	.0	*	.1	.5	.6	.5	.1	*	.0	*	2.4	
NE	.0	*	.2	1.1	1.6	.8	.5	.1	*	.1	7.0	
E	.0	*	.2	1.3	1.8	.8	.6	.2	*	.1	16.9	
SE	.0	*	.2	1.6	3.8	1.8	1.1	.3	*	.2	37.9	
S	.1	*	*	.4	.9	.4	.7	.1	*	*	8.4	
SW	.0	*	*	.1	.1	.2	*	*	*	.0	.4	
W	.0	.0	*	.1	.2	*	.1	*	.0	.0	.3	
NW	.0	.0	.1	.1	.3	.1	.0	*	.0	.0	.5	
VAR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
CALM	.0	.0	*	.2	.3	.1	.0	.0	.0	*	1.6	
TOT OBS											5563	
TOT PCT	.1	.1	.8	5.3	9.5	4.7	2.6	.8	.1	.6	75.4	100.0

TABLE 7

CUMULATIVE PCT FREQ OF SIMULTANEOUS OCCURRENCE
OF CEILING HEIGHT (NH >4/8) AND VSBY (NM)

CEILING (FEET)	VSBY (NM)							
	= OR >10	= OR >5	= OR >2	= OR >1	= OR >1/2	= OR >1/4	= OR >50YD	= OR >0
= OR >6500	.6	.6	.6	.6	.6	.6	.6	.6
= OR >4000	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
= OR >3500	3.4	4.1	4.1	4.2	4.2	4.2	4.2	4.2
= OR >2000	7.1	8.7	8.8	8.9	8.9	8.9	8.9	8.9
= OR >1000	14.6	17.8	18.2	18.3	18.3	18.3	18.3	18.3
= OR >600	18.2	22.8	23.4	23.7	23.7	23.8	23.8	23.8
= OR >300	18.8	23.6	24.3	24.6	24.6	24.7	24.7	24.7
= OR >150	18.9	23.7	24.5	24.7	24.8	24.8	24.8	24.8
= OR > 0	18.9	23.8	24.5	24.8	24.8	24.9	24.9	24.9

TOTAL NUMBER OF OBS: 5806

PCT FREQ NH <5/8: 75.1

TABLE 7A

PERCENTAGE FREQ OF LOW CLOUDS (EIGHTHS)

0	1	2	3	4	5	6	7	8	OBSCD	TOTAL OBS
4.9	14.8	21.7	20.4	12.6	7.2	5.6	4.7	8.1	*	6106

PERIOD: (PRIMARY) 1897-1974
(OVER-ALL) 1854-1974

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TABLE 8

PERCENT FREQ OF WIND DIRECTION VS OCCURRENCE OR NON-OCCURRENCE OF
PRECIPITATION WITH VARYING VALUES OF VISIBILITY

VSBY (NM)		N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	PCP	.0	.0	*	.0	.0	.0	.0	.0	.0	.0	*	
	NO PCP	.0	*	*	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.0	*	*	*	.0	.0	.0	.0	.0	.0	.1	
1/2<1	PCP	*	.1	*	*	.0	.0	.0	.0	.0	*	.2	
	NO PCP	*	.1	.4	.6	.1	.0	*	*	.0	.0	1.3	
	TOT %	.1	.2	.4	.7	.1	.0	*	*	.0	*	1.5	
1<2	PCP	.0	*	.1	*	.0	.0	.0	.0	.0	.0	.1	
	NO PCP	.0	*	*	*	*	.0	.0	.0	.0	.0	.1	
	TOT %	.0	.1	.1	.1	*	.0	.0	.0	.0	.0	.2	
2<5	PCP	*	.1	.1	.1	*	*	*	*	.0	*	.3	
	NO PCP	*	.1	*	.1	*	*	.0	.0	.0	.0	.3	
	TOT %	*	.2	.1	.2	*	*	*	*	.0	*	.6	
5<10	PCP	.9	1.6	1.8	2.1	.6	.1	.1	.2	.0	.1	7.7	
	NO PCP	1.3	3.3	7.8	13.8	3.1	.2	.1	.5	.0	.2	30.6	
	TOT %	2.4	5.0	9.6	15.9	3.7	.3	.3	.7	.0	.3	38.2	
10+	PCP	.1	.4	.4	.6	.1	*	.1	.1	.0	.1	1.8	
	NO PCP	1.8	4.7	12.6	29.6	6.7	.5	.3	.4	.0	1.0	57.6	
	TOT %	1.9	5.2	13.0	30.1	6.8	.5	.3	.5	.0	1.1	59.4	
TOT OBS													9595
TOT PCT		4.5	10.6	23.3	46.9	10.6	.9	.6	1.2	.0	1.4	100.0	

TABLE 9

PERCENT FREQ OF WIND DIRECTION VS WIND SPEED
WITH VARYING VALUES OF VISIBILITY

VSBY (NM)	SPD KTS	N	NE	E	SE	S	SW	W	NW	VAR	CALM	PCT	TOTAL OBS
<1/2	0-3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	4-10	*	*	*	*	*	.0	.0	.0	.0	.0	*	
	11-21	.0	*	*	*	.0	.0	.0	.0	.0	.0	*	
	22+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
	TOT %	*	*	*	*	*	.0	.0	.0	.0	.0	.1	
1/2<1	0-3	*	*	*	*	*	.0	*	*	.0	*	.1	
	4-10	*	*	.1	.1	*	.0	*	*	.0	*	.3	
	11-21	*	*	.1	.2	*	.0	.0	.0	.0	.0	.4	
	22+	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	
	TOT %	*	.1	.2	.4	.1	.0	*	*	.0	*	.8	
1<2	0-3	*	*	*	*	*	.0	.0	.0	.0	*	.1	
	4-10	*	*	*	*	*	*	*	*	.0	*	.2	
	11-21	.0	*	*	*	*	.0	*	*	.0	.0	.1	
	22+	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*	
	TOT %	*	.1	.1	.1	*	*	*	*	.0	*	.3	
2<5	0-3	*	.1	*	*	*	*	*	*	.0	.1	.3	
	4-10	*	.2	.1	.3	.1	*	*	*	.0	*	.8	
	11-21	*	.1	.1	.1	*	*	.0	.0	.0	.0	.3	
	22+	.0	.0	*	*	.0	.0	.0	.0	.0	.0	*	
	TOT %	.1	.3	.3	.4	.1	*	*	*	.0	.1	1.4	
5<10	0-3	.3	.5	.6	.4	.3	.1	.1	.1	.0	.4	2.7	
	4-10	1.0	2.1	3.4	4.8	1.3	.2	.1	.3	.0	.0	13.2	
	11-21	.2	.6	1.7	4.4	.7	*	*	.1	.0	.0	7.8	
	22+	.0	*	.1	.2	*	*	.0	.0	.0	.0	.3	
	TOT %	1.6	3.2	5.7	9.8	2.3	.3	.2	.4	.0	.4	24.0	
10+	0-3	.5	.8	1.0	1.1	.5	.1	.1	.1	.0	1.6	5.8	
	4-10	1.5	4.4	10.5	21.3	4.5	.3	.3	.3	.0	.0	43.2	
	11-21	.3	.9	4.0	15.9	2.8	.1	*	.1	.0	.0	24.1	
	22+	*	*	.1	.2	.1	.0	.0	.0	.0	.0	.4	
	TOT %	2.3	6.1	15.6	38.5	7.8	.7	.3	.5	.0	1.6	73.4	
TOT OBS													19798
TOT PCT		4.0	9.8	21.9	49.1	10.4	1.0	.6	1.0	.0	2.2	100.0	

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TABLE 10

PERCENT FREQUENCY OF CEILING HEIGHTS (FEET, NM >4/8) AND
OCCURRENCE OF NM <5/8 BY HOUR

HOURL (GMT)	000 149	150 299	300 599	600 999	1000 1999	2000 3499	3500 4999	5000 6499	6500 7999	8000+	TOTAL	NM <5/8 ANY HGT	TOTAL OBS
00003	.1	.0	1.0	5.4	9.1	4.7	2.8	.7	.1	.8	24.7	75.3	1405
06009	.2	.0	.6	5.6	9.6	4.8	2.8	.7	.1	.5	24.8	75.2	1415
12015	.1	.2	1.2	5.2	9.0	4.4	2.1	.9	*	.3	23.4	76.6	1621
18021	.0	.2	.7	5.0	9.2	4.3	3.1	.8	.1	.5	24.0	76.0	1354
TOT													5995
PCT	.1	.1	.9	5.3	9.2	4.6	2.7	.8	.1	.5	24.2	75.8	100.0

TABLE 11

PERCENT FREQUENCY VSBY (NM) BY HOUR

HOURL (GMT)	<1/2	1/2<1	1<2	2<5	5<10	10+	TOTAL OBS
00003	.1	.8	.4	1.9	25.3	71.6	3906
06009	.1	.8	.3	1.2	27.7	69.9	6004
12015	*	.6	.9	1.3	19.8	77.9	4322
18021	.1	.9	.3	1.3	24.8	72.6	6191
TOT							20383
PCT	.1	.8	.3	1.4	24.7	72.7	100.0

TABLE 12

CUMULATIVE PCT FREQ OF RANGES OF VSBY (NM) AND/OR
CEILING HGT (FEET, NM >4/8) BY HOUR

HOURL (GMT)	<150 <50YD	<600 <1	<1000 <3	1000+ AND 5+	NM <5/8 AND 5+	TOTAL OBS
00003	.1	1.2	7.2	18.5	74.3	1353
06009	.2	.9	7.4	18.6	74.0	1362
12015	.1	1.8	7.7	16.4	76.0	1589
18021	.0	1.1	7.1	17.8	75.1	1502
TOT						5806
PCT	.1	1.3	7.4	17.8	74.9	100.0

TABLE 13

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY TEMP

TEMP F	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	TOTAL OBS	PCT FREQ
90/94	.0	.0	.0	.0	*	.1	.0	.0	.1	
85/89	.0	.0	.0	*	.5	1.2	.4	.1	2.1	
80/84	.0	.0	.0	*	1.4	21.0	19.6	3.2	45.2	
75/79	.0	.0	.0	.0	.3	15.4	27.7	8.6	51.9	
70/74	.0	.0	.0	.0	.0	*	.3	.3	.6	
TOTAL									5944	100.0
PCT	.0	.0	.0	.1	2.2	37.6	47.9	12.2		

TABLE 14

PERCENT FREQUENCY OF WIND DIRECTION BY TEMP

N	NE	E	SE	S	SW	W	NW	VAR	CALM
.0	*	*	*	.0	.0	.0	*	.0	.0
.2	.4	.5	.7	.1	*	.0	*	.0	.1
2.4	7.1	9.9	19.0	4.4	.4	.3	.6	.0	1.3
1.6	3.6	11.6	26.4	6.9	.5	.4	.5	.0	.8
*	*	.1	.3	.1	*	*	*	.0	*
4.2	11.2	22.2	46.4	11.1	1.0	.7	1.1	.0	2.2

TABLE 15

MEANS, EXTREMES AND PERCENTILES OF TEMP (DEG F) BY HOUR

HOURL (GMT)	MAX	99%	95%	50%	5%	1%	MIN	MEAN	TOTAL OBS
00003	87	82	81	79	76	74	70	78.6	6503
06009	91	83	81	79	76	74	67	78.7	11104
12015	95	86	84	81	77	75	72	80.7	6860
18021	92	86	84	80	77	75	69	80.0	11315
TOT	95	85	83	79	76	75	67	79.5	35782

TABLE 16

PERCENT FREQUENCY OF RELATIVE HUMIDITY BY HOUR

HOURL (GMT)	0-29	30-39	40-49	50-59	60-69	70-79	80-89	90-100	MEAN	TOTAL OBS
00003	.0	.0	.5	25.6	58.6	15.4	84	1477		
06009	.0	.0	.6	24.7	58.9	15.9	84	1581		
12015	.0	.3	3.6	49.9	37.2	9.2	80	1592		
18021	.0	.1	3.9	48.3	37.9	9.8	80	1604		
TOT	0	6	136	2330	2993	789	82	6254		

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TABLE 17

PCT FREQ OF AIR TEMPERATURE (DEG F) AND THE OCCURRENCE OF FOG (WITHOUT PRECIPITATION)
VS AIR-SEA TEMPERATURE DIFFERENCE (DEG F)

AIR-SEA TMP DIF	65 68	69 72	73 76	77 80	81 84	85 88	86 92	TOT	N FOG	WQ FOG
11/13	.0	.0	.0	.0	.0	*	.0	3	.0	*
9/10	.0	.0	.0	.0	*	*	.0	5	.0	.1
7/8	.0	.0	.0	.1	.1	.2	*	31	.0	.3
6	.0	.0	.0	.0	.1	.2	*	27	.0	.3
5	.0	.0	.0	.1	.2	.4	.1	66	.0	.7
4	.0	.0	.0	.1	.8	.4	*	115	*	1.2
3	.0	.0	*	.5	1.5	.4	.0	215	.1	2.3
2	.0	.0	*	1.2	3.1	.4	.0	435	.1	4.7
1	.0	.0	.1	4.9	5.2	.1	.0	929	.2	10.1
0	.0	*	.7	13.5	6.9	.1	.0	1898	.5	20.3
-1	.0	.0	1.2	19.5	4.2	*	.0	2251	.4	24.5
-2	.0	.0	1.0	13.1	2.0	.0	.0	1469	.2	15.9
-3	.0	*	.9	7.2	.5	*	.0	802	.1	8.6
-4	.0	.0	1.0	3.3	.3	.0	.0	436	.1	4.6
-5	.0	.0	.9	1.5	.2	.0	.0	239	.0	2.6
-6	.0	.0	.4	.4	*	.0	.0	87	.0	.9
-7/-8	.0	.0	.3	.5	*	.0	.0	73	*	.8
-9/-10	.0	.0	.1	*	.0	.0	.0	8	.0	.1
-11/-13	.0	.0	*	.0	.0	.0	.0	2	.0	*
-14/-16	*	.0	.0	.0	.0	.0	.0	1	.0	*
TOTAL								9092		
PCT	*	*	6.7	65.7	25.3	2.1	.1	100.0	1.7	98.3

PERIOD: (OVER-ALL) 1953-1974

TABLE 18

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	N						PCT	NE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.3	.5	.0	.0	.0	.0	.8	.5	.7	.1	.0	.0	.0	1.2
1-2	.2	1.5	.2	.0	.0	.0	2.0	.4	5.1	.3	.0	.0	.0	5.7
3-4	.0	.7	.5	.0	.0	.0	1.2	.1	2.6	1.4	.0	.0	.0	4.1
5-6	.0	.1	.3	.0	.0	.0	.3	*	.6	.4	.0	.0	.0	1.0
7	.0	.0	*	.0	.0	.0	.0	.0	*	.3	.0	.0	.0	.3
8-9	*	.0	.0	.0	.0	.0	*	*	.0	.0	.0	.0	.0	*
10-11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	.6	2.8	1.0	.0	.0	.0	4.4	1.0	8.9	2.4	.0	.0	.0	12.3

HGT	E						PCT	SE						PCT
	1-3	4-10	11-21	22-33	34-47	48+		1-3	4-10	11-21	22-33	34-47	48+	
<1	.6	1.2	.1	.0	.0	.0	1.9	.5	1.5	*	.0	.0	.0	2.0
1-2	.6	7.8	.8	.0	.0	.0	9.2	.5	12.4	3.5	.0	.0	.0	16.4
3-4	*	4.5	2.8	*	.0	.0	7.4	.1	8.5	10.2	*	.0	.0	18.9
5-6	*	.8	2.0	*	.0	.0	2.9	*	1.4	5.9	*	.0	.0	7.3
7	.0	.1	.4	*	.0	.0	.5	.0	.2	1.5	*	.0	.0	1.7
8-9	.0	.0	*	.0	.0	.0	*	.0	.0	*	.0	.0	.0	*
10-11	.0	.0	*	.0	.0	.0	*	.0	.0	*	.0	.0	.0	*
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13-16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17-19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20-22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23-25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26-32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33-40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41-48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49-60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61-70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71-86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
87+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
TOT PCT	1.2	14.5	6.1	.1	.0	.0	21.9	1.0	24.0	21.2	.1	.0	.0	46.3

PERIOD: (OVER-ALL) 1963-1974

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TABLE 18 (CONT)

PCT FREQ OF WIND SPEED (KTS) AND DIRECTION VERSUS SEA HEIGHTS (FT)

HGT	S							PCT	SW							PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+		
<1	.2	.3	.1	.0	.0	.0		.6	.0	.1	.0	.0	.0	.0		.1
1-2	.3	2.9	.7	.0	.0	.0		3.9	.*	.1	.0	.0	.0	.0		.2
3-4	.*	1.7	1.6	.0	.0	.0		3.4	.0	.1	.1	.0	.0	.0		.2
5-6	.0	.4	1.2	.*	.0	.0		1.6	.0	.0	.*	.0	.0	.0		.*
7	.0	.0	.3	.1	.0	.0		.4	.0	.0	.*	.0	.0	.0		.*
8-9	.0	.0	.1	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
10-11	.0	.*	.*	.0	.0	.0		.1	.0	.0	.0	.0	.0	.0		.0
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0
TOT PCT	.5	5.3	4.0	.1	.0	.0		9.9	.*	.3	.1	.0	.0	.0		.5

HGT	W							PCT	NW							PCT	TOTAL PCT
	1-3	4-10	11-21	22-33	34-47	48+			1-3	4-10	11-21	22-33	34-47	48+			
<1	.0	.1	.0	.0	.0	.0		.1	.1	.*	.0	.0	.0	.0		.2	
1-2	.0	.2	.1	.0	.0	.0		.3	.1	.5	.*	.0	.0	.0		.6	
3-4	.0	.1	.*	.0	.0	.0		.1	.0	.1	.1	.0	.0	.0		.2	
5-6	.0	.0	.*	.0	.0	.0		.*	.0	.*	.0	.0	.0	.0		.*	
7	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
8-9	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
10-11	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
12	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
13-16	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
17-19	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
20-22	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
23-25	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
26-32	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
33-40	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
41-48	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
49-60	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
61-70	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
71-86	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
87+	.0	.0	.0	.0	.0	.0		.0	.0	.0	.0	.0	.0	.0		.0	
TOT PCT	.0	.4	.1	.0	.0	.0		.5	.2	.7	.1	.0	.0	.0		1.1	96.9

WIND SPEED (KTS) VS SEA HEIGHT (FT)

HGT	0-3	4-10	11-21	22-33	34-47	48+	PCT	TOT OBS
<1	6.2	4.6	.2	.0	.0	.0	11.0	
1-2	2.6	29.9	5.6	.0	.0	.0	38.1	
3-4	.3	17.9	16.5	.1	.0	.0	34.9	
5-6	.1	3.1	9.7	.1	.0	.0	13.0	
7	.0	.3	2.4	.1	.0	.0	2.8	
8-9	.*	.0	.1	.0	.0	.0	.2	
10-11	.0	.*	.1	.0	.0	.0	.1	
12	.0	.0	.0	.0	.0	.0	.0	
13-16	.0	.0	.0	.0	.0	.0	.0	
17-19	.0	.0	.0	.0	.0	.0	.0	
20-22	.0	.0	.0	.0	.0	.0	.0	
23-25	.0	.0	.0	.0	.0	.0	.0	
26-32	.0	.0	.0	.0	.0	.0	.0	
33-40	.0	.0	.0	.0	.0	.0	.0	
41-48	.0	.0	.0	.0	.0	.0	.0	
49-60	.0	.0	.0	.0	.0	.0	.0	
61-70	.0	.0	.0	.0	.0	.0	.0	
71-86	.0	.0	.0	.0	.0	.0	.0	
87+	.0	.0	.0	.0	.0	.0	.0	
TOT PCT	9.2	55.9	34.7	.2	.0	.0	100.0	3320

PERIOD: (OVER-ALL) 1949-1974

TABLE 19

PERCENT FREQUENCY OF WAVE HEIGHT (FT) VS WAVE PERIOD (SECONDS)

PERIOD (SEC)	<1	1-2	3-4	5-6	7	8-9	10-11	12	13-16	17-19	20-22	23-25	26-32	33-40	41-48	49-60	61-70	71-86	87+	TOTAL	MEAN HGT
<6	1.6	11.1	15.4	8.8	1.8	.2	.0	.0	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1731	3
6-7	.*	1.2	8.2	11.1	3.8	1.0	.3	.*	.*	.*	.*	.0	.0	.0	.0	.0	.0	.0	.0	1139	5
8-9	.0	.5	2.4	4.0	2.8	.7	.3	.*	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	472	5
10-11	.0	.6	.7	1.1	.9	.4	.2	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	164	5
12-13	.0	.0	.5	.3	.2	.2	.1	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	55	6
>13	.0	.0	.0	.3	.1	.1	.1	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	27	7
INDET	2.4	4.5	6.4	3.5	1.5	.2	.1	.0	.*	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	790	3
TOTAL																				4372	4
PCT	4.0	17.9	33.7	29.1	11.1	2.8	1.1	.1	.1	.*	.*	.0	.0	.0	.0	.0	.0	.0	.0	100.0	

PERIOD: (PRIMARY) 1897-1974
(OVER-ALL) 1854-1974

AREA 0024 ST. PETER AND PAUL ROCKS
.6N 29.4W

TABLE 20

PERCENT FREQUENCY OF OCCURRENCE OF SEA TEMP (DEG F) BY MONTH

SEA TMP DEG F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	PCT
96+	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
95/96	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
93/94	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
91/92	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
89/90	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
87/88	.1	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0	17	.0
85/86	.3	.7	.7	1.8	1.5	.7	.5	.2	.2	.1	.2	.1	193	.6
83/84	1.8	3.5	7.1	12.8	11.5	4.4	1.4	.6	.7	1.6	1.5	1.2	1437	4.1
81/82	30.7	41.9	53.1	60.9	59.4	34.3	15.3	8.4	9.0	17.8	19.9	24.1	11113	32.0
79/80	56.7	47.8	34.3	22.4	24.3	43.9	40.7	33.3	40.2	44.6	54.4	58.7	14487	41.8
77/78	9.6	5.4	4.1	1.8	2.6	14.2	39.0	45.2	41.7	32.9	21.7	14.9	6375	18.4
75/76	.6	.5	.4	.2	.5	2.2	6.6	11.4	8.0	2.7	1.9	.8	975	2.8
73/74	.2	.0	.0	.0	.1	.0	.5	.9	.2	.0	.4	.2	79	.2
71/72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	18	.1
69/70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1	.0
67/68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
65/66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
63/64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
61/62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
59/60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
57/58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
55/56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
53/54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
51/52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
49/50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
47/48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
45/46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
43/44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
41/42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
39/40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
37/38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
35/36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
33/34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
31/32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
29/30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27/28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	0	.0
TOTAL	2793	2793	3279	2970	3026	2948	2657	2593	2597	2966	3029	3043	34696	100.0
MEAN	79.9	80.3	80.7	81.3	81.1	80.0	78.8	78.2	78.5	79.1	79.4	79.6	79.7	

TABLE 21

PRESSURE (MB)

AVERAGE BY HOUR (GMT)

MO	0000	0300	0600	0900	1200	1500	1800	2100	MEAN	TOTAL OBS
JAN	1012	1012	1011	1012	1012	1012	1010	1012	1011	1309
FEB	1012	1012	1010	1012	1011	1012	1010	1012	1011	1450
MAR	1012	1012	1010	1012	1013	1012	1010	1012	1011	1696
APR	1012	1012	1010	1012	1013	1012	1010	1012	1011	1347
MAY	1013	1013	1011	1013	1013	1013	1011	1012	1012	1353
JUN	1014	1014	1013	1014	1014	1014	1012	1014	1013	1422
JUL	1015	1015	1014	1015	1015	1015	1013	1014	1014	1428
AUG	1015	1015	1014	1015	1015	1015	1013	1014	1014	1295
SEP	1015	1014	1013	1014	1015	1014	1013	1014	1014	1462
OCT	1014	1013	1012	1013	1014	1013	1011	1013	1013	1369
NOV	1012	1012	1010	1012	1012	1012	1010	1012	1011	1347
DEC	1012	1012	1010	1012	1012	1012	1010	1012	1011	1351
ANN	1013	1013	1012	1013	1013	1013	1011	1013	1012	17619
OBS	1831	1766	3338	1758	1928	1783	3447	1768		

PERCENTILES

MO	MIN	1%	5%	25%	50%	75%	95%	99%	MAX
JAN	1001	1007	1008	1010	1011	1013	1015	1017	1021
FEB	1005	1006	1008	1010	1011	1013	1014	1016	1023
MAR	1000	1004	1008	1010	1011	1013	1014	1017	1025
APR	1001	1006	1008	1010	1011	1013	1015	1016	1024
MAY	1003	1007	1009	1011	1012	1013	1015	1016	1020
JUN	1001	1008	1010	1012	1013	1015	1016	1019	1022
JUL	999	1004	1011	1013	1014	1016	1017	1020	1025
AUG	1005	1008	1011	1013	1014	1016	1017	1019	1023
SEP	1003	1009	1011	1013	1014	1015	1017	1018	1022
OCT	999	1007	1009	1011	1013	1014	1016	1017	1019
NOV	999	1006	1008	1010	1011	1013	1015	1017	1022
DEC	1003	1006	1008	1010	1011	1012	1014	1016	1019

Volume	Area	Name	Approximate Central Location
1	1	Georgetown	08.5°N 57.5°W
	2	Cayenne	06.5°N 52.2°W
	3	Amazon Delta	01.3°N 47.3°W
	4	Fortaleza NW	01.1°S 41.1°W
	5	Natal	04.2°S 34.5°W
	6	Recife	09.4°S 33.7°W
	7	Salvador	14.4°S 36.8°W
	8	Vitoria NE	19.0°S 37.5°W
2	9	Rio De Janeiro	23.2°S 40.8°W
	10	Florianopolis	27.0°S 46.0°W
	11	Porto Alegre	31.0°S 48.7°W
	12	Buenos Aires	35.3°S 53.5°W
	13	Bahia Bianca	40.0°S 58.2°W
	14	Rawson	44.1°S 52.4°W
	15	Puerto Deseado	48.0°S 64.0°W
	16	Magellan Strait East	51.5°S 65.0°W
3	17	Tierra Del Fuego	55.0°S 66.0°W
	18	Falkland Islands	51.9°S 58.9°W
	19	South Georgia	54.5°S 37.0°W
	20	Tristan da Cunha Group	39.0°S 10.4°W
	21	Trindade	20.5°S 29.0°W
	22	St. Helena	15.5°S 05.5°W
	23	Ascension	07.5°S 14.5°W
	24	St. Peter and Paul Rocks	01.0°N 29.5°W